



# MDIA5030

6fUbX'7i`hi fYg

GYa YghYf'Hk c`##`&\$%



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

# 7 ci fgY`Cj Yfj JYk

'GHUZZ7cbhUW`i8YHU]`g`

'7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]cb	D\cbY
B ]Wk`Ug F ]WUfXgcb	b]Wk`Ug"f]WUfXgcb4 i bkg "YXi " Ui	D`YUgY`a U_Y Uddc]bha Ybhj ]U Ya U]`	K YVghYf`F a &' %9	\$&`-' , ) *` ) )

## GWkcc`7cbhUW`i`bZcfa Uh]cb

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

D\cbY. f\$&Ł`-' , ) `( , ) \*

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

K YVg]hY: [\hfdg.#gUa "Ufng"i bkg "YXi "Ui](#)

H\Y`GWkcc`cZ`hY`5fng`UbX`A YX]U`k ci `X`\_]Y`hc`F YgdYW`m5W`bck`YX[ Y`hY`HfUX]h]cbU`7i`g`hcX]Ubgž`hY`6YXY[ U`fP`Ybg]b[ hc`b`Wla`di`gŁž; UX][ U`f7 ]m`UbX`5fhi`8Yg][ b`7 Ua`di`gYgŁ`UbX`hY`B [ i`bbUk`U`dYcd`Y`f5i`ghfU]Ub`8Y`Z`bW` : cfW`5WUXYa`m]b`7`UbVYffUŁ`cZ`hY`UbXg`k`YfY`YUW`Wla`di`g`cZI`BGK`]g`c`WU`hY`X"

## 5hY`bXUbW`F`Yei`]fYa`Ybhg

5`ghi`XYbh]g`YI`dYW`X`hc`U`hY`bX`U`WUgg`W`cbhUW`i`ci`fg`Zcf`U`ZUW`!hc`!ZUW`fI`&`Ł`cf`V`YbXYX`W`ci`fgY`UbX`W`ca`d`Y`h`U`W`UW]j`]hYg`Zcf`U`V`YbXYX`cf`Z`m`cb`]bY`W`ci`fgY"

5`ghi`XYbhk`c`U`ffj`Yg`a`cfY`h`Ub`%`a`]bi`hYg`U`hY`a`UmVY`dYbU`]gYX`Zcf`bcb!U`hY`bXUbW`"Z`gi`W`U`dYbU`hm`]g`]a`d`cgYXž`hY`gh`XYbha`i`ghVY`]bZcfa`YX`j`YfVU`m`Uh`hY`YbX`cZ`WUgg`UbX`UXj`]gYX`]b`k`f]h]b[ `k`]h`]b`&(`\`ci`fg"

Z`U`gh`XYbhYI`dYf]YbW`g`]`bYggž`a`]gUXj`Ybh`fY`cf`chYf`c`W`ffYbW`h`Uha`U`Yg`UVgYbW`Z`ca`U`WUgg#UW]j`]mi`bUj`c]XUV`Yž`cf`YI`dYW`g`hc`VY`UVgYbhZ`ca`U`Z`cf`h`W`ca`]b[ `WUgg#UW]j`]mž`h`Ymg`l`ci`X`g`gY`\_`dYfa`]gg]cb`Z`ca`h`Y`7`ci`fgY`5i`h`cf]mž`UbX`k`YfY`Udd`]WU`Yž`hY`]f`fYei`Yghg`l`ci`X`VY`UW`W`ca`d`Ub]YX`Vm`Ub`cf][`]bU`cf`W`f]h]Z`YX`W`dmcZ`U`a`YX]WU`W`f]h]Z`WU`h`cf`chYf`Z`ca`cZ`Udd`f`c`f]U`hY`Yj`]XYbW"

5`7`ci`fgY`5i`h`cf]m`a`UmYI`W`gY`U`gh`XYbhZ`ca`WUggYg`cf`UW]j`]hYg`Zcf`i`d`hc`cbY`a`cbh`" <`ck`Yj`Yfž`h`Ym`a`UmUgg][`b`UXX]h]cbU`UbX`#`f`U`hY`fb`Uhj`Y`hUg`\_`g`hc`Ybgi`fY`W`ca`d`]UbW`"5`7`ci`fgY`5i`h`cf]m`W`bg]XYf]b[ `hY`[`f`Ub]h]b[ `cZ`UVgYbW`a`i`ghVY`g`U]h]g]YX`U`gh`XYbhk`]`gh`VY`UV`Y`hc`a`YY`h`hY`W`ci`fgY`g`Y`Ufb]b[ `ci`h`W`ca`Yg`UbX`#`f`j`c`i`a`Y`cZ`Y`Ufb]b[ "5`ghi`XYbhgY`Y`]b[ `Udd`f`c`j`U`hc`VY`UVgYbhZ`ca`cfY`h`Ub`cbY`a`cbh`a`i`gh`Udd`m`]b`k`f]h]b[ `hc`hY`8Y`Ub`UbX`d`f`c`j`]XY`U`cf][`]bU`cf`W`f]h]Z`YX`gi`d`d`c`f]h]b[ `XcW`a`Yb`hU]h]cb"

:`cf`a`cfY`]bZcfa`Uh]cb`UV`ci`h`hY`U`hY`bXUbW`d`f`c`h`W`g`]b`hY` :`UW`h`mcZ`5`fng`UbX`G`c`W]U`GW`Y`b`W`g` : [\hfdg.#k`k`k`"Ufng"i`bkg`"YXi`"Ui`#W`ffY`bh\]gh`XYbhg#UWUXYa`\]W\]bZcfa`Uh\]cb#d`f`c`h`W`g`l`i`\]XY`\]bYg#](#)

## 5 WUXYa JWbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `hc. `fYeI Yghg`Zcf`YI hYbg]cb/fYj ]Yk `cZa Uf\_g/cVW dUh]cbU``YU`h  
UbX`gUZ`m/YI Ua ]bUh]cb`dfcW`Xi fYg/gdYW]U`Wcbg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybhi fY/  
ghi XYbhYeI ]mUbX`X]gUV]`]m`UbX`ch`Yf`YggYbhU``UWUXYa ]W]bZcfa Uhcbž  
gYY`[\frdg.##k k "Ufrg"i bkg "YXi "Ui #W ffYbh\]ghi XYbhg#UWUXYa \]W\]bZcfa Uhcb#dfc`hcWc`gl`i \]XY`\]bYg#](#)

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`%&`

Gi a a UfmicZ\hY'7 ci fgY

5 `VfUbX`jg`U`Zi`jX`Ybh]m=-`bYj`Yf`Ybh]fY`m]b`Ub`cf[`Ub]gUh]cb`g`W`bfc`" `H\]g`jg`VYW]i`gY`W`ghca`Yfg`'ck`b`  
VfUbXg" `H\Y`VYghVfUbX`a`UbU[`Yfg`h\YfY`Zc`fY`gh`XmdYcd`Y" `H\Ym`W`b]g]XYf`VfUbXg`j]b`W`'hi`fY`UbX`VfUbXg  
Ug`W`'h`fYg" `B`ch]b[` \UddYbg`VmW`UbW" `H\]g`W`ci`fgY`c`ZY`fg`m`ci`'h\Ycf]Yg`UbX`h`W`b]ei`Yg`Zc`f`gh`Xm]b[  
VfUbX`W`'h`fYg" `H\YgY`h\Ycf]Yg`UbX`h`W`b]ei`Yg`k`j`'i`'h]a`Uh`'ma`U`\_Y`m`ci`'U`VY`h`f`VfUbX`a`UbU[`Yf`"

H\Y`W`ci`fgY`dfcj`jYg`m`ci`'k`]h`h\Y`cddcf]i`b]m]h`c`XYj`Y`cdz`\cbY`UbX`W`b]g`c`]XUh`'X]gW]d`]bUfmg\_]`g`UbX  
\_bck`YX[`Y`[`U]bYX`j]b`h\Y`Z]Y`Xg`cZDF`'UbX`UXj`Yfh]g]b[`z`gdYW]Z]W]`m]b`fY`Uh]cb`hc`h\Y`dfUW]W`'cZVfUbX  
a`UbU[`Ya`Ybh]'k`\]W`j]g`U`W`b]fU`UgdYW]cZ`W`b]h`a`dcfUfm]DF`'UbX`UXj`Yfh]g]b[`"

H\]g`W`ci`fgY`j]g`k`cfh`%&`i`b]hg`cZ`W`YX]h`UbX`j]g`U`DfUW]W`'DUh`k`Um`W`c`fY`gi`V`Y`W`h`Zc`f`h\Y`'A`Ugh`f`cZDF`'UbX  
5Xj`Yfh]g]b[`"

5 h\hY`W`bWi`g]cb`cZ`h]g`W`ci`fgY`h\Y`gh`XYbhk`j`VY`UV`Y`hc

%`8Ya`cbghfUh`'W`ca`dY`h`bW`'k`]h`'W`b]h`a`dcfUfmVfUbX`a`UbU[`Ya`YbhdfUW]W`g`UbX`ghfUh[`]Yg`z`UbX  
h\Y`UV`]m]h`c`Udd`m]h]g`\_bck`YX[`Y`[`U]bYX`j]b`h\Y`Z]Y`Xg`cZDF`'UbX`UXj`Yfh]g]b[`z`gdYW]Z]W]`m]b`fY`Uh]cb`hc`h\Y`dfUW]W`'cZVfUbX  
a`UbU[`Ya`Ybh]'k`\]W`j]g`U`W`b]fU`UgdYW]cZ`W`b]h`a`dcfUfm]DF`'UbX`UXj`Yfh]g]b[`"

&`8Ya`cbghfUh`'U`gci`bX`i`bXYfg]h]bX]b[`]cZ`W`b]h`a`dcfUfmVfUbX`a`UbU[`Ya`Ybh`W`b]W`d]hg`UbX  
d\]cgcd\]Yg`z`UbX`h\Y`W]dUW]m]h`c`Ya`d`cm]h]g`\_bck`YX[`Y`dfcXi`W]j`Y`m]b`dfcZ]gg]cbU`dfUW]W`"

'`8Ya`cbghfUh`'U`W]dUW]m]h`c`f]bXYdYbXYbh]UbX`W`c`UVcfUh]j`Y`]bei`]fn`z`UbX`h\Y`UV`]m]h`c`Y`Z]W]j`Y`m  
W`ca`a`i`b]W]h`j]X]YUg`hc`U`fUb[`Y`cZ`Ui`X]YbW]g`z`i`g]b[`]k`f]h`b`z`cfU`'UbX`Ui`X]c]j`j]gi`U`'ma`YX]Uh`Y`X  
W`ca`a`i`b]W]h]cb"

("`8Ya`cbghfUh`'Ub`UV`]m]h`c`f]W]YUh]j`Y`h]b\_]b[`]UbX`W]h]W]`fY`ZY`W]j]cb"

)`8Ya`cbghfUh`'U`gci`bX`i`bXYfg]h]bX]b[`]cZ`V`ch`'c`W]`'UbX`[`]cVU`'j]bXi`ghfm`W`b]h]i`hg`j]b`h\Y`Z]Y`Xg`cZDF`z`  
UXj`Yfh]g]b[`]UbX`W`ca`a`i`b]W]h]cb"

HYUW]b[`]G`h`f`U`h`[`]Y`g`

G`h`XYbh]k`j`VY`dfcj`jYX`k`]h`h\Y`g`W`dY`hc`XYj`Y`cdz`\cbY`UbX`'cbY`UbX`W`b]g`c`]XUh`'X]gW]d`]bUfmg\_]`g`  
UbX`\_bck`YX[`Y`[`U]bYX`j]b`h\Y`Z]Y`Xg`cZDF`'UbX`UXj`Yfh]g]b[`z`gdYW]Z]W]`m]b`fY`Uh]cb`hc`h\Y`dfUW]W`'cZVfUbX  
a`UbU[`Ya`Ybh`"

H\]g`X]gW]d`]bUfm`\_bck`YX[`Y`k`j`VY`dcg]h]cbYX`U[`]b]gh`h\Y`W`b]h]i`hcZXYj`Y`cda`Ybh]j]b`h\Y`W`b]h`a`dcfUfm  
[`]cVU`'UbX`'c`W]`'a`YX]U`'UbXgW]dY"

H\Y`W`ci`fgY`k`j`VY`h]i`[`\]h]j]U`'Y`W]i`fYg`UbX`gYa`j]bUfg"

5g`h]g]g]g`U`%&`I`b]hcZ7`fYX]h]W`ci`fgY`z`fYe]j]fYX`W`ci`fgY`k`cf`\_`k`j`VY`ZY`W]h]g]U`W`W`c`fX]b[`]m`i`"

# 5ggYgga Ybh

: cf'XYHU]YX'UggYgga Ybh]bZcfa Uhjcb'd'YUgY'fYZf'hc'h\Y'Wci fgY'A ccX'Y'g]hY"

5`UggYgga Ybhg'a i ghVY'UthYa dhX']b'cfXYf'hc'dUgg'h\]g'Wci fgY"

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWca Yg'5ggYggYX
K YY_'mW]b]WdfYgYbhUjcbg`	' )i	Bch5dd`]WUV`Y	%&Z ž( ž)
9ggUm	( \$i	\$) #/\$#&.\$% '\$, .\$\$'DA	%&Z ž( ž)
6fUbX'Ui X]h	&)i	&* #/\$#&.\$% '\$, .\$\$'DA	%&Z ž( ž)

## 5ggYgga Ybh8YHU]`g

5ggYgga Ybh% 'K YY\_'mW]b]WdfYgYbhUjcbg

GHUfhXUH. 'Bch5dd`]WUV`Y

@Yb[ h. ') 'a ]bi hYg

8YHU]`g. 'Gh XYbhg'k ]`Wca d'Yh'gYj Yb'g\cfhdfYgYbhUjcbg'cb'k YY\_'mhcd]Wg''h\Y'hYUa g'cZ( 'fUgg][ bYX YUWX'k YY\_`k ]` \Uj Y'hja Y'jb'WUgg'hc'dfYdUfY'U'dfYgYbhUjcb'Zca ''YWh'fY'UbX'fYUX]b[ 'a UHf]U''9UWX k YY\_'mci f'hYUa 'g'dfYgYbhUjcb'k ]`fYW]] Y'U'a Uf\_'ci hcZ) ''Mci f'hYUa 'Zc'f'hUhk YY\_'k ]`fYW]] Y'hY gUa Y'a Uf\_'Vi hmcif'a Uf\_'k ]`VY'fYWcfXYX']bX]] ]Xi U'mUbX'mci f'hcU'fbi hcZ' )`k ]`Wca Y'Zca 'U'hY a Uf\_g'UWX]j YX'Vm'hY'X]ZYfYbhYUa g'mci 'k cf\_'k ]h'h'fci [ \ 'hY'+k YY\_g"Gh XYbhg'k ]`fYW]] Y'cfU' ZYXVUW\_YUWX'k YY\_'UbX']bX]W]h] Y'a Uf\_g'Zc'fYUWX'Ugg][ ba Ybhk YY\_'mh'fci [ \ 'hY '@YUfb]b[ A UbU[ Ya YbhGmg'h'a "

Gi Va ]gg]cb'bc'hYg.F YZf'hc'A ccX'Y

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

5ggYgga Ybh&. '9ggUm

GHUfhXUH. '

@Yb[ h. '' \$\$\$'k cfXg

8YHU]`g. '' \$\$\$'k cfX'YggUm'Gh XYbhg'k ]`fYW]] Y'k f]hYb'ZYXVUW\_YUbX'U'bi a Yf]W]'[ fUXY"

Gi Va ]gg]cb'bc'hYg.F YZf'hc'A ccX'Y

Hi fb]h]b'gYh]b[ . h\]g'Ugg][ ba Ybh]g'gi Va ]hY'h'fci [ \ 'Hi fb]h]b'UbX'gh XYbhg'Xc'bc'hgYY'Hi fb]h]b'g]a ]Uf]mfYdcf]g"

5ggYgga Ybh' . '6fUbX'Ui X]h

GhUfhXUHy.

@Yb[ h. %\$\$\$'k cfXg

8YhU]g. %\$\$\$'k cfXg" 'H\]g]g'h\Y'Z]bU'UggYgga YbhUg\_"Gh XYbhg'k ]'fYW]j Y'k f]hYb'ZYXVUW\_UbX'U  
bi a Yf]W' [ fUXY"

Gi Va ]gg]cb'bhYg.F YZf'rc'A ccX'Y

Hi fb]h]b'gYh]b[ . 'H\]g]g'bhU'Hi fb]h]b'Ugg][ ba Ybh

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gh XYbhg`UfY`YI dYW`X`hc`di h`h`Y]f`bUa Yg`UbX`gh XYbhbi a VYfg`cb`Yj YfmdU[ Y`cZ`h`Y]f`Ugg][ ba Ybhg"

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

- K cf\_`gi Va ]hYX`%\$`hc`%`XUmg`UZhYf`h`Y`gh]di`UH`X`XYUX`]bY`k`]`VY`UggYggYX`UbX`ZYXVUW`dfcj`]XYX`Vi`hU`a`Uf`\_`cZnYfc`k`]`VY`fYW`fYX`"Z`h`Y`k`cf`\_`k`ci`X`\\Uj`Y`fYW`]j`YX`U`dUgg`a`Uf`\_`Vi`hZcf`h`Y`UH`bYgg`UbX`h`Y`k`cf`\_`]g`U`W`a`di`gcfm`W`i`fgY`W`a`dcbYbh`f`i`fX`Y`fYei`]fYa`YbhZ`U`gh`XYbhk`]`VY`XYYa`YX`h`\\Uj`Y`a`Yh`h`UhfYei`]fYa`Ybh`
- K cf\_`gi Va ]hYX`&\$`cf`a`cfY`XUmg`UZhYf`h`Y`gh]di`UH`X`XYUX`]bY`k`]`bchVY`UW`W`d`h`X`Zcf`UggYgga`Ybh`UbX`k`]`fYW`]j`Y`bc`ZYXVUW`Z`a`Uf`\_`cf`[`fUXY`"Z`h`Y`UggYgga`Ybh`Ug`\_`]g`U`W`a`di`gcfm`W`a`dcbYbh`cZ`h`Y`W`i`fgY`U`gh`XYbhk`]`fYW`]j`Y`Ub`l`bgUhgZUW`c`fm`:`U`]`fl`:`k`[`fUXY`Ug`U`fYgi`h`cZ`i`bgUhgZUW`c`fmdYfZ`fa`UbW`]b`Ub`YggYbh]U`W`a`dcbYbh`cZ`h`Y`W`i`fgY`"

H\]g`]bZ`fa`U`h`cb`]g`U`gc`Uj`U]UV`Y`Uh`

[\h`dg`##k`k`k`"Ufng`i`bgk`"YXi`"Ui`#W`ffYbh`gh`i`XYbhg`#JW`X`Ya`\]W`\]bZ`fa`U`h`cb`#d`f`c`h`W`c`g`\[`i`\]X`Y`\]b`Y`g`#`](#)

### GdYW]U`7`cbg]XYfU]cb`5`dd`]W]h]cbg`

Mci`W`b`U`dd`m`Z`c`f`gdYW]U`W`c`bg]XYfU]cb`k`\\Yb`]`b`Ygg`c`f`c`h`Y`f`W`f`W`a`g`h`U`b`W`g`]b`h`f`Z`Y`f`k`]h`m`ci`f`UggYgga`Ybh`d`Y`f`Z`fa`UbW`"

G]W`b`YggZ`a`]g`U`X`j`Y`bh`f`Y`c`f`c`h`Y`f`W`f`W`a`g`h`U`b`W`g`V`Y`m`c`b`X`m`ci`f`W`c`b`f`c``a`Um`

f`D`f`Y`j`Y`bh`m`ci`Z`c`a`W`c`a`d`Y`h`b`[`U`W`c`i`fgY`f`Yei`]fYa`YbhZ`

f`?`Y`Y`d`m`ci`Z`c`a`U`h`Y`b`X`]b`[`Ub`UggYggUV`Y`UW`]j`]mZ`

f`G`h`c`d`m`ci`gi`Va`]h`]b`[`UggYggUV`Y`k`cf`\_`Z`c`f`U`W`c`i`fgYZ`

f`G`][`b`]W`b`h`m`U`Z`Y`W`h`m`ci`f`d`Y`f`Z`fa`UbW`]b`UggYggUV`Y`k`cf`\_`Z`V`Y`]h`U`Z`c`fa`U`Y`b`X`!`c`Z`g`Ya`Y`gh`f`Y`I`Ua`]b`U`h`c`b`Z`U`W`Ugg`h`Y`g`h`Z`U`U`V`c`f`U`h`c`f`m`h`Y`g`h`Z`U`g`Ya`]b`U`f`d`f`Y`g`Y`b`h`U`h`c`b`c`f`U`b`m`c`h`Y`f`Z`fa`c`Z`UggYgga`Y`bh`

:`c`f`Z`f`h`Y`f`X`Y`h`U`]g`]b`f`Y`U`h`c`b`h`c`GdYW]U`7`cbg]XYfU]cb`]b`W`i`X`]b`[`"K`\\Y`b`h`c`5`dd`m`Z`"<`c`k`h`c`5`dd`m`UbX`"Gi`d`d`c`f`h`b`[`8`c`W`a`Y`bh`U`h`c`b`"d`Y`U`g`Y`f`Y`Z`f`h`c`h`Y`GdYW]U`7`cbg]XYfU]cb`k`Y`V`g`h`Y`."

[\h`dg`##gh`XYbh`i`bgk`"YXi`"Ui`#gdYW\]U`W`c`bg\]XYfU\]cb`](#)



## 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" #WU b'U\_Y'a Ubm Z'fa gž Z'ca`XY]VYfUHY`WXYU]b[ 'hc`UW]XYbU`mW'dm]b[ Z'ca`U'gci fW`k ]h'ci hUW\_bck`YX[ Ya`Yb]f

I BGK`[ fci dg'd`U[ ]Uf]ga`]bhc`hY`Z`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`]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[ Ygž`Ufh`UbX`XYg][`b`dfc`YWgž`Ug`k`Y`"Ug`dfYgYbU]cbg`k`YfY`gca`YcbY`dfYgYbhg`UbchYf`g`]XYUg`cf`k`cfXg`k`]h'ci hWYX]f

#Uddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[ ]b[`U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghmifYU]b]b[ 'hY`cf][ ]bU`g]f`i`W`fY`UbX`#`f`dfc[`fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`UbX`]bZ`fa`U]cb`k`]h'ci hUW\_bck`YX[ Ya`Yb]f`H\]g`U'gc`Udd`Yg`]b[`dfYgYbU]cbg`k`YfY`gca`YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k`cfXg`k`]h'ci hWYX]f]h`UbX`hc`d]Y]W]b[`hc[`Y`hY`f`ei`chYg`UbX`d`UfUd`fUgYg`]bhc`U`bYk`k`c`Y`ž`k`]h'ci 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`XYbhVYZ`fY`hY`Xi`Y`XU]Y`ž`cf`Z`f`hY`di`fdcgY`cZ`hY`a`d`U[ ]Uf]g]b[`Uh`Ubm]h]a`Yž`dUm]b[`UbchYf`dYfgcb`hc`dYfZ`fa`Ub`UWUXYa`]W]Ug`ž`gh`U`]b[`cf`UW`ei`]f]b[`UbchYf`dYfgcb`g`UWUXYa`]Wk`cf\_]UbX`W`dm]b[`]ž`cZ]f]b[`hc`W`a`d`Y`h`UbchYf`dYfgcb`g`k`cf\_]cf`gYY\_]b[`dUma`YbhZ`f`W`a`d`Y]h]b[`UWUXYa`]Wk`cf\_]`"

#Uddfcdf]UHY`W]U]cb.`7`]h]b[`gci`fW`g`k`]W`U`j`Y`bchVYYb`fYUXž`k`]h'ci hUW\_bck`YX[ ]b[`hY`"gYW`bXUfm`gci`fW`Z`ca`k`]W`\_bck`YX[`Y`cZ`hY`a`U`g`VYYb`cV]U]bYX`"

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

7c`fY`W`fYZYfYbW]b[`d`fUW]W]g.

- DUfUd`fUg]b[`ž`gi`a`a`Uf]g]b[`ž`YggUm`k`f]h]b[`UbX`h]a`Y`a`UbU[`Ya`Ybh
- 5ddfcdf]UHY`i`gY`cZ`UbX`U]h]f]Vi`h]cb`Z`f`U`fU]b[`Y`cZ`a`U]h]f]U`g`]bW`i`X]b[`hY`i`ž`]a`U[`Ygž`Z`fa`i`UY`UbX`W`b`W`d]h]g`"

#X]j`]Xi`U`Ugg]gh`UbW`]g`U]j`U]UV`Y`cb`fYei`YghZ`ca`h`Y`@`YUf]b]b[`7`Yb]fY`f`[h\]d.##k`k`"Wi`bgk`"YXi`"Ui`#`](#)G`h`XYb]h]U`fY`U`gc`fYa`]bX`YX`h`U`h`W`fY`Z`h]a`Y`a`UbU[`Ya`Ybh]g`Ub`]a`dcf]U]b]h]d`U]f]h]c`Z`g]h`Xm`UbX`cbY`cZ`hY`]X`Y`b]h]Z]Y`X`W`li`gY`g`cZ`d`U[ ]Uf]ga`]g`d`cc`f`h]a`Y`a`UbU[`Ya`Yb]f`G`h`XYb]h]g`l`ci`X`U`ck`g]i`Z]W]Y`b]h]a`Y`Z`f`fYgYUfW`ž`X`fU]h]b[`UbX`d`f`c`d`Y`f`fYZYfYbW]b[`cZ`gci`fW`g`]b`d`f`Y`d`U`f]b[`U`"UggYgga`Ybh]h]a`g`"

I BGK`@]VfUfm]U`gc`U`g`hY`9@G9`hc`U`j`U]UV`Y`hc`Ugg]ghmci`k`]h`mci`f`gh`Xm]U]h`BGK`"9@G9`]g`XYg][`bYX`hc`]b]f`c`Xi`W`bYk`g]h`XYb]h]hc`g]h`Xn]b[`U]h`BGK`Vi`h]h`W`b`U`gc`VY`U`[`fYU]h]fY`Z]Yg`Y`f`Xi`f]b[`mci`f`gh`Xm`"

7ca`d`Y]h]b[`hY`9@G9`h`hc]f]U`UbX`ei`]n`k`]Y`b`U`V`Y`mci`hc.



# 7 ci fgY'GWXYXi `Y

[J.Jyk.WUgg.ha.YhUV.Y](#)

H]a YhUV.Y`

8UH	HmdY	7cbhYbh
K YY_% '&' >i `m! '&- >i `m	@YWh fY	K \Uh]g'U'VfUbX3
K YY_&.' '\$>i `m!')	@YWh fY	H\Y'a UbU[ Ya YbhcZU'VfUbX
5i [i gh	GYa ]bUf	÷fxcXi W]cbg'UbX'Wci fgY'cj Yfj ]Yk
K YY_'.' '*5i [i gh!' %&	GYa ]bUf	H\YcfmW]b]WdfUW]W' fi b
5i [i gh	@YWh fY	6fUbX'Ug'W'hi fY
K YY_('.% '5i [i gh!' %-	GYa ]bUf	H\YcfmW]b]W%
5i [i gh	@YWh fY	6fUbXg' ]b'W'hi fY
K YY_).' &\$'5i [i gh!' &*	GYa ]bUf	H\YcfmW]b]W&
5i [i gh	@YWh fY	H\Y'a U_]b[ 'cZU'VfUbX
K YY_*.' &+'5i [i gh!' &	GYa ]bUf	H\YcfmW]b]W'
GYdhYa VYf	@YWh fY	A U]b]U]b]b[ 'U'VfUbX
K YY_+'. 'GYdhYa VYf!' -	GYa ]bUf	H\YcfmW]b]W(
GYdhYa VYf	@YWh fY	6fUbXg' ]b' hfUbg]h]cb'cf'W]g]g
K YY_).' %\$'GYdhYa VYf!'	@YWh fY	A YX]U]h]U]cb'! 'hY'a YX]U'Ug'VfUbXg'UbX'VfUbXg' ]b
%*'GYdhYa VYf	GYa ]bUf	a YX]U
K YY_-'.' %+ 'GYdhYa VYf!' -	GYa ]bUf	H\YcfmW]b]W*
&'GYdhYa VYf	@YWh fY	9j YfmVcXm\Ug'U'VfUbX
6fYU_.' &( 'GYdhYa VYf!'		Bc'WUggYg'h.]g'k YY_
' \$'GYdhYa VYf		
K YY_%. '%C WtcVYf!' +	@YWh fY	: fca' hci W]dc]bh]c'YI dYf]YbW]g
C WtcVYf	GYa ]bUf	DfUW]W]W' ]b]W
K YY_%%'. 'C WtcVYf!' %\	@YWh fY	: fca' W]cbgi a Yfg'hc'W]ca a i b]h]Yg
C WtcVYf	GYa ]bUf	DfUW]W]W' ]b]W
K YY_%. '%) 'C WtcVYf!'	@YWh fY	6fUbXg' ]b'hY'Z'hi fY.' <c'X'cb'h[ \hcf' [ ] Y' ]hUk Um3
&%C WtcVYf	GYa ]bUf	DfUW]W]W' '7' ]b]W
K YY_%'. '&&'C WtcVYf!'	GYa ]bUf	: ]bU'DfUW]W]W' '7' ]b]W
&. 'C WtcVYf		



6cX]Yg/`#fYfZJWYg`&\$%\*

7F ⇒ CG

7F ⇒ CG`Dfcj jXYf`7cXY.`\$\$\$- ;