



MDIA3008

ggi Yg'UbX'7 f]g]g'7 ca a i b]WU]cb

HYfa 'Hk c''##'&\$&%



7 ci fgY`Cj Yfj JYk

GHJZZ`7 cbHJW`8 YHJ`g

7 cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjhcb	D\cbY
DYHf`F cVYfng	d`^fcVYfng4 i bgk "YXi "Ui	6mUddc]bha Ybh	K YVghYf' %%<	

Hi hcf g

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjhcb	D\cbY
B]X]U`F UnU`A Ufh]bYn	b`fUmJa Ufh]bYn4 i bgk "YXi "Ui	6mUddc]bha Ybh		

GWcc`7 cbHJW`bZcfa Uh]cb

GWcc`cZH`Y`5fng`UbX`A`YX]U

F cca ` ` %&ž`@j`Y`" žF cVYfhiK YVghYf`6i`]X]b[`fj` %(&Ł

D\cbY. `f\$&Ł`-` ,) `(,) *

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

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

H\Y`GWcc`cZH`Y`5fng`UbX`A`YX]U`k`ci`X`_]`Y`h`c`F`YgdYWz`m5W_bck`YX[`Y`h`Y`HfUX]h]cbU`7`i`ghcX]Ubgž`h`Y`6YXY[`U`f`P`Ybg]b[`h`c`b`W`a`di`g`Ł;`UX][`U`f`7`]m`UbX`5`f`h`/`8`Yg][`b`7`Ua`di`g`Y`g`Ł`UbX`h`Y`B`[`i`bb`Uk`U`d`Y`cd`Y`f`5`i`gh`f`U`]`Ub`8`Y`Z`b`V`W`:`c`f`W`5`W`X`Y`a`m]b`7`Ub`V`Y`f`f`U`Ł`c`Z`h`Y`Ub`X`g`k`Y`f`Y`Y`U`W`W`a`di`g`c`Z`I`B`G`K`]`g`c`W`h`Y`X`"

7 ci fgY'8YHJ>`g

7 fYX]hDc]bqg '*`

Gi a a UfmicZ\hY'7 ci fgY

H\]g'Wci fgY'YI Ua]bYg'hY]bhfX]gW]d]bUfmUbX'fY'U]cbU'`bUhi fY'cZ]ggi Yg'UbX'W]g]g'Wca a i b]W]h]cb
Zca`WcbW]dhi U'`UbX'dfUW]W]dYfgdYW]j Yg"

ggi Yg'a UbU[Ya Ybh]g'U'a UbU[Yf]U'dfcW]gg'h UhUW]g'hc' dfcj]XY'U'fYgdcbgY'ghfU]Y[m]UbX'YUf'mk Ufb]b[
hc'`Zc]f]ggi Yg'h Uh\Uj Y'hY'dc'h]bh]U'`hc]a dUW]cf[Ub]gU]h]cbg" H\Y'gi W]W]ggZ `a UbU[Ya Ybh]cZ]ggi Yg
fYXi W]g'hY'`_Y']\ccX'cZ]W]g]g"7 f]g]g'a UbU[Ya Ybh]g'hY'fY'U]hX'dfcW]gg]bj c'j]b[`hY'XYj Y'cda YbhUbX
Udd]W]h]cb'cZ]ghfU]Y[]Yg'U]a YX'Uh\Y'd]b[`Ub'cf[Ub]gU]h]cb'gi W]W]ggZ `mXYU'k]h'U'gi XXYb'UbX'bY[U]h] Y
Yj Ybh"

ggi Yg'UbX'W]g]g'Wca a i b]W]h]cb'fYZ'fg'hc'hY'DF !gdYW]Z]WdfUW]W]g'h UhYa Yf[Y'Zca`hY'gY'dfcW]ggYg"

H\fc] [\ `U'fUb[Y'cZ]W]gY'gh X]YgZ'h]g'Wci fgY'k]`YI d'cfY'\ck]ggi Yg'UbX'W]g]g]a dUW]i dcb
cf[Ub]gU]h]cbg'UW]cgg'hY'Vi g]bYggZ'Wca a i b]mZ[c] Yfba Ybh'UbX'bc]hZc]f]d'fcZ]hgYW]c'fgZ'UbX'k]`Yb[U[Y']b
XYd'h'k]h'hY'fc'Y'cZ]ggi Yg'UbX'W]g]g'a UbU[Ya YbhUbX'Wca a i b]W]h]cb]b'ghfU]Y[]Wd'Ubb]b["

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

- % " 7 cbW]dhi U']gY'hY'g] [b]Z]W]bW]`UbX'Z bW]cbg'cZ]ggi Yg'UbX'W]g]g'Wca a i b]W]h]cb]b'Ub
cf[Ub]gU]h]cbU'`gYh]b["
- & " Dfcj]XY'XYH]YX'UbU'm]gYg'cZ]ggi Yg'UbX'W]g]g'Wca a i b]W]h]cb UhU'WcbW]dhi U'`UbX'ghfU]Y[]W]Yj Y`
' " I bXYfghUbX'hY'_Ymidf]bW]d'Yg'VY\]bX'XYg] [b]b[`UbX'XYj Y'cd]b[`U'W]g]g'Wca a i b]W]h]cb'd'Ub"
- (" H\]b_g]h]fU]Y[]W]`m]U]Vci h'hY'fc'Y'#]cZ] Uf]ci g'di V']W]g'UbX'ghU_Y\c'XYfg]b']ggi Yg#W]g]g
Wca a i b]W]h]cb'W]gYg"
-) " 5ggYgg'UbX'Yj U'i U]h'hY']a dUW]icZ'hY'a YX]U]b']ggi Yg'UbX'W]g]g'Wca a i b]W]h]cb]b'Ub]b!XYd'h
Z]g\]cb"

HYUWX]b[`G]hfU]Y[]Yg`

H\]g']g'U'`Yj Y'h'fY'Wci fgY" #iVi]Xg'cb'g_]`g'XYj Y'cdYX']b'`Yj Y`%UbX'&Wci fgYg" #ik]`U'ck'gh XYbh]g'hc
XYj Y'cd'X]j YfgY'WcbW]dhi U'`UbX'ghfU]Y[]W]g_]`g]b'DF'UbX'dfcZYgg]cbU'dfUW]W]"

6ch'`YW]h'fYg'UbX'h'hc]f]U'g'k]`VY'cdYb'hc'X]U'c[i Y'UbX'Wc'`UVcfU]h]cb'k]h'hY'U]a'cZYI d'cf]b[`W]gY
gh X]Yg'UbX'a U]h]f]U']b'U'dfcXi W]j Y'UbX'f] [c]fc] g'Z]g\]cb"

H\]g'Wci fgY']g'BC H'U]Vci h'fc'h'`YUfb]b[z'Vi h'fU]h'Yf']bj c'j Yg'UW]j Y'm'h]b_]b[`U]Vci h'UbX'Yb[U[]b[`k]h'U
bi a VY'f'cZ]WcbW]dhi U'`Z]Ua Yk cf_gZ'dfcZYgg]cbU'g_]`gZ'W]gY'gh X]YgZ'UbU'm]h]W]`a U]h]f]U'z'UbX'ghfU]Y[]W
d'Ubg" Gh XYbh]g'U]fY'YI dYW]X'hc']U_Y'Wcb]f'c'Z'hY'f'ck b`YUfb]b[z'fU]h'Yf'h'Ub'dUgg] Y'm]YI dYW]h
]bZc'fa U]h]cb'hc'VY'XY']j YfYX'hc'h'Ya "

5ggYgga Ybh

]bXi gfrn'

Mci 'UfY'UXj]gYX'hc 'WccgY'mci f'ei Ygh]cb'k]h 'WfYžUg'h'YmdcgY'X]ZYfYbhWU'Yb[Yg''

5 gi [[YghX'Zefa Uh]g'Ug'Z'ck g.

- ~~hfcXi W]cb.~~ 'K \Uh]g'hY'WUgY'gh XmUbX'k \m]g'jhFY'Yj UbhZcf']ggi Yg#W]g]g'Wta a i b]W]hcf]g3'< ck UfY'mci 'UddfcUW]b['hY'hd]W3'K \Uh]g'mci f'a YhcXc'c[m3'8c'mci '\Uj Y'cbYz'cf'k c'YZYW]j Y fYgUfW'ei Ygh]cbg'z'cf'\m]c'hYgYg'hc'Udd'm3'g'hYfY'U'gdYW]Z]W]hYcfYh]W]Zci bXUh]cb'gi W'Ug # HZ'G77H'hUhinc'k]''i gY3
- Cj Yfj]Yk . 'K \UhUfY'hY'_Ym]cbhYI hg3'K \UhUfY'hY'a cgh]a dcf]UbhXYj Y'cda Ybhg3'K \]W'UfY hY'_Ym]UgdYW]g'cZ'hY']ggi Y#W]g]g'UbX'k \m3
- 5bU'm]g]g# YWta a YbXUh]cbg. 'K \UhUfY'hY'_Ymia]ghU_Yg'UbX#f'_Ymigi W]ggYg'k]h'fY[UfXg'hc hY'Wta a i b]W]h]cbg]ghfU]h[m3'K \Uhk ci 'X'mci 'fYWta a YbX3'K \UhUfY'mci f']bg][\hg3'< ck 'W]b mci 'gi ddcf]mci f'dc]bh]z'k]h'fY'Yj UbhZ]W]g'zXU]U'UbX#f'hYcfYh]W]Z]Ua Yk cf_g3
- 7cbWi]g]cb. 'K \UhUfY'hY'_Ym]U_YUk Umg3

: cf'hY'7f]h]W]'5bU'm]g]g'z'mci 'k]''VY'fYei]fYX'hc'UX\YfY'hc'dfcdYf'UW]XYa]W]cbj Ybh]cbg''Mci 'UfY YI dYW]X'hc'XfUk 'cb'fY'Yj Ubh]fYUX]b[g'UbX'Wci fgY'a Uh]f]U'g''I gY'cZYI h'fbU'fYUX]b[g'UbX'gci fW]g'Ug gi dd'Ya Ybh]f]mia Uh]f]U'k]''VY'cZVYbY]h''

5ggYgga Ybh7f]h]f]U'f7f]h]W]'5bU'm]g]g'

- 5V]']m]hc'XYj Y'cd'U'WYUf]mUf[i YXz'k Y'fYgYUfW]YX'UbX'WcbW]dh'U'm]gc'X'dYfgdYW]j Y'cb'mci f W]gY'gh'Xm
- 5V]']m]hc'g\ck'gh]cb['i bXYfg]UbX]b['cZfY'Yj Ubh]d]b]W]d'Yg'UbX'hYcfYh]W]Z]Ua Yk cf_g'VY\]bX]ggi Yg#W]g]g'Wta a i b]W]h]cbg
- 5V]']m]hc'dfcj]X'Y'a YUb]b[Z''UbX'dfcdYf]migi ddcf]YX'UbU'm]g]g'UbX#f'fYWta a YbXUh]cbg
- : 'i YbhUbX'Wc\YfYbhk f]h]Yb'YI dfYgg]cb
- 5W]W'fU]h'UbX'dfcdYf]midfYgYbh]X'fYZYfYb]W]b[']
- DfcZYgg]cbU'j]gi U'dfYgYbh]h]cb'UbX'Zefa Uh]b[

~~h'fYfa g'cZ'hY'gYWcbX'cdh]cbz'mci 'UfY'fYei]fYX'hc'W]fYU]h'U'Wta dfY\Ybg]j Yz'YZYW]j Yz'UbX'WYUf'm bUj][UV'Y'7f]g]g'7ca a i b]W]h]cb'D'Ub'Zcf'U'Wta dU]b]m]cf'cf[Ub]gUh]cb''fMci 'UfY'UXj]gYX'hc'W]ccgY'U ga U'!h'a YX]i a 'Ybh]fd]g]Y''L'B'W]SeWd]W]d]fa fZW]SeeW]e_ W'fUd]f]W]S TWai "~~

f'9UW'dU]f'g\ci`X'gi Va]hCB9'7f]g]g'7ca a i b]W]h]cb'D`Ub'rc'Hi fb]h]b" H\Y'ch\Yf'ghi XYbhg\ci`X'g]a d`m
gi Va]hCB@MU'W'j Yf'dU[Yžk]h'VUg]W]bZ'fa U]cb'gi W'Ug'mci f'buA Yž'ghi XYbhibi a VYfž'UbX'h\Y'XYhU]g
cZmci f'dUf'byf"

5ggYgga Ybh'7f]hYf]U'f'f]g]g'7ca a i b]W]h]cb'D`UbŁ

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

- K YVg]hY`-F Ygci fWg`k]`VY`Uj U]UV`Y`cb`hY`7ci fgY`A ccX`Y`k YVg]hY`
- C b`]bY`h hcf]Ug`!`j]U`hY`6`UW_VcUfX`7c`UVcfUHY`@A`G`

F YWca a YbXYX`F Ygci fWg

: i fhYf F YUX]b[

5`dUg`Ub`7`YhU`ž&\$\$-ž`7`cfdcfUHY` ; cj YfbUbWV`]b`hY`7`cbhY`hcZ7`f]gYg. Hck UfXg`U`GfU`_Y`c`XYf`H`Ycfm`cZ7`f]g]g`A`UbU[Ya Ybhž`<agd`S`^aX5a` f[`YW`U]W`~`5`d[e]e`?`S`SYW`_`W`fž`%`+ž`f%`&`dd' ,`'-'(-`"

7`cca`VgžK`"H"/`<c`UXUnž`G">`"f9Xg"ž`&\$\$%ž`FZW: S`VTaa]`aX5`d[e]e`5a`__`g` [USf[a`ž`YX]hY`X`VmiA`U`XYbž`A`5.`6`UW`k`Y`"

; U`ck`Umž`7`"/`?`k`UbUg`!5]Xccž?`"ž`&\$\$-ž`BgT`[U`DWSf[a`e` ;eegW`S`V`5`d[e]e`?`S`SYW`_`W`fž`A`Y`Vci`fbY. H\ca`gcb`GcW]U`G`WYbW`DfYgg

;]d]bž`8`F`"/`A`i`fd`mž`D">`ž`&\$\$, ž`5`d[e]e`?`S`SYW`_`W`f[`S`5a`_`b`WY`I`adVž`CI`ZcfX.`CI`ZcfX`I`bj`Yfg]hm`DfYgg

; f]Z]bž`5`ž`&\$\$-ž`@W`E`fdSfW`[W`&d`D`Wb`gfSf[a`?`S`SYW`_`W`f,`9`S[`[`Y`5a`f`cb`^aX;eegW`5`d[e]e`S`V`5`ad`ad`SfW`E`aU[S`^D`W`eba`e[T`[f`kž`@`cb`Xcb.`?`c[`Ub`DU[`Y`

<YU`h`ž`F`"/`DU`Y`b`W`Ufž`A`">`ž`&\$\$, ž`E`fdSfW`[U;eegW`?`S`SYW`_`W`f,`A`d`S`[eSf[a`e`S`V`BgT`[U`Ba`[Uk`5`ZS`^W`Y`W`eł`&b`X`Y`X]h`cbž`7`U`]Z`fb]Už`H`ci`g`Ub`X`C`U`_`g.`GU[`Y`

<YU`h`ž`F`"@`/`C`<U]fž`<"8`"f9Xg"ž`&\$\$-ž: S`VTaa]`aXD[e]`S`V`5`d[e]e`5a`__`g` [USf[a`ž`BYk`Mcf`_`F`ci`hYX[`Y`

<ck`UfXž`7`ž`%` ,`(`ž;eegW`?`S`SYW`_`W`f,`A`dY[`e`a`XfZW`X`fgd`W`G`H`U`a`Z`c`f`X`ž`7`H.`e`ggi`Y`5`W]cb`Di`V]g`Yfg

>Uei`Ygž`H`ž`&\$\$%`ž;eegW`S`V`5`d[e]e`?`S`SYW`_`W`f,`7`j`b`^`d`Y` ;eegW`5`d[e]e`D[e]`S`V`DWb`gfSf[a`ž`Gci`h`A`Y`Vci`fbYž`J`]W`c`f]U.`CI`Z`c`f`X`I`bj`Yfg]hm`DfYgg

F`Y[`Y`ghY`fž`A`"/`@`Uf`_`]bž`>`ž`&\$\$, ž`D[e]` ;eegW`S`V`5`d[e]e`?`S`SYW`_`W`f[`BgT`[U`DWSf[a`e,`3`5`SeW`T`aa]`aX`4`W`eł`D`d`S`Uf[UW`ž`(`h`Y`X]h`cbž`@`cb`Xcb.`7`-`DF`

H`c`h`ž`9`"@`f9X"ž`&\$\$+ž`F`ZW`8`g`f`gd`W`a`X`7`j`U`W`^`W`U`W[`BgT`[U`DWSf[a`e`S`V`5a`__`g` [USf[a`?`S`SYW`_`W`f,`5`ZS`^W`Y`W`eł`&d`f`ZW`@`W`f`9`W`W`d`Sf[a`ž`BYk`>Yfg`Ym`@`Uk`f`Y`b`W`9`F`V`U`i`a`5`ggc`W]U`H`Y`g`

M`ci`b[`ž`ž`&\$\$%`ž`9`b`\\`Ub`W]b[`Ya`d`cm`Y`W`ca`a`i`b]W]h`cb`VY`\\`Uj`]c`f`g`Z`c`f`g`Y`bg`Ya`U`_`]b[`Ub`X`g`Y`bg`Y[`]]`]b[`]`b`W]g]g`g]h`U]h`cb`g`ž`>ci`fb`U`c`Z`7`ca`a`i`b]W]h`cb`A`UbU[Ya Ybhž`&&ž`f`(`&`dd`())`%`-`(+`"

F YWca a YbXYX`Di V]W]h`cbg

3e[S`BSU[X]U`BgT`[U`DWSf[a`e`<agd`S`^`

<agd S^aX4ge[Wée 5a__g` [USf[a`

<agd S^aX4ge[Wée 7fZ[Ue

<agd S^aX5a` f[YW U[Wé S` V 5 d[e[e ? S` SYW_ W f

<agd S^aX5a__g` [USf[a` ? S` SYW_ W f

<agd S^aXBgT[U DWSf[a` e DWéWsdJZ

BgT[U DWSf[a` e DWéW

f`H\]g`]g`U`]ghcZgi dd`Ya YbUfmiFYUX]b[`fYgci fWgžk \]W`a UmVY`Y`dZ` `]b`Xc]b[`Z`fH`Yf`fYgYUfW`" Mci
UfYžcZVéi fgYžYbVéi fU[YX`hc`a`cj`Y`VYmcbX`h`YgY`gi [[YghX`h`I`hg"

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

Mci f`ZYXVUW` [UH`YfYX`Zca` h`Y`gi fj Ymg`Uhih`Y`YbX`cZ`h`Y`gYgg]cb`cZYfg`j U`i UV`Y`]bdi H`Mci f
YI dYf]YbW`g`UbX`gi [[Ygh]cbg`UfY`]a dcfUbtž`UbX`h`YfY`]g`U`k`Umg`fcca` `Zc`f`]a dfcj Ya Ybh]b`h`fa`g`cZ
Vé`b`h`bh`UbX`h`UWX`]b[`g`f`U`h` []Yg`"

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]hirci f'Ugg][ba Ybhi'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'- ' ,) " ' ' %cf'Ya U] 'h'Ya 'cb'YI HYfbU'HY'gji ddcfh i bgk "YXi "Ui "'Gi ddcfh

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

D`U[]Uf]ga `]g`i g]b[`hY`k cfXg`cf`]XYUg`cZc`hYfg`UbX`dfYgYbh]b[`hYa `Ug`mci f`ck b" `#WUb`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUHY`WXYUH]b[`hc`UWY]XYbhU`miWc`dm]b[`Zca `U`gci fW`k]h`ci hUW`bck `YX[Ya Ybh`

I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUH[cf]Yg.

7 cdm]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

5 WUXYa]W=Zcfa Uh]cb

: cf`YggYbh]U`gh XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.

- fYei Ygh]Zc`Yl H`bg]cb/

-