

## EDST5803

8Yj Y`cd]b[ '9ZYWj] Y'Dfc[ fUa g'Zcf; ]ZYX'Ghi XYbhg

GYa YghYf'C bY`##`&\$%

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUW`i8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]cb	D\cbY
DYHU`<Um	d"\Um# i bgk "YXi "Ui	6m5ddc]bta Ybh	>c\b'; ccXgY` %&\$	

GWXcc``7cbhUW`i#Zcfa U]cb

GWXcc``cZ9Xi WU]cb

5fng`UbX`GcW]U`GW]YbW]g

@Yj Y`%#>c\b'; ccXgY`"6i ]X]b[ `fl &\$E

H. Z`\*%f&L`-` , )`%` ++

9. YXi WU]cb4 i bgk "YXi "Ui

K . YXi WU]cb"Ufngi bgk "YXi "Ui

5hYbXUbW`F Yei ]fYa Ybhg

5XX]h]cbU`GWXcc``cZ9Xi WU]cb`UhhYbXUbW`fYei ]fYa Ybhg

#]g`YI dYWYX`h.UhUbmigh XYbhYbfc`YX`]b`Ub`98GH`Wci fgY`k ]h`hY`GWXcc``cZ9Xi WU]cb`k ]`a U\_Y`U  
Wc`a a ]ra Ybhlc`hY]f`YUfb]b[ `UbX`UhhYbX`U`WUggYg`]b`Z`k`YfY`Wc`bhYbh]g`XY`]j YfYX`]b`U`ZUW]!hc!ZUWY  
a cXY`YI W`dh]b`W`fU]b`W]fW`a ghUbW]g`k`YfY`UVgYbW]`jg`Xi`Y`hc`]`bYggza`]gUXj`Ybh`fY`cf`i`bZcfYgYYb  
W]fW`a ghUbW]g`VYmc`bX`hY`gh`XYbhg`Wc`bfc`"5`a`]b]a`i`a`UhhYbXUbW`fYei ]fYa YbhicZ, \$i`]g`fYei ]fYX`Zcf  
YUWX`Wci fgY`" `#`W`fU]b`W]fW`a ghUbW]g`z`U`gh`XYbhia`Uma`]gg`i`d`hc`&\$i`cZU`Wci fgY`k ]h`ci`hZcfa`U`  
Udd`]WU]cb`UbX`i`d`hc`" `i`cZU`Wci fgY`k ]h`Zcfa`U`XcW`a`YbhU]cb`fgYbhj`]U`Ya`U]`hc`Wci fgY`Wc`bj`YbcfE  
dfcj ]X]b[ `U`hY`fYei ]fYa Ybhg`XYHU]YX`VY`ck`UfY`a`Yh`Gh`XYbhg`bcha`YY]b[ `hY`UhhYbXUbWY  
fYei ]fYa Ybhg`ci`h]bYX`UVcj`Y`k`]`VY`Uk`UfYX`Ub`i`bgU]hgZUW]c`fm: U]`fl` : E`Zcf`h.UhWci fgY`fY[ UfX`Ygg`cZ  
hY]f`dYfZcfa`UbWY`]b`hY`UggYgga`Ybh]Ug\_g`cf`chYf`fYei ]fYa Ybhg`Zcf`hY`Wci fgY`"

# 7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`\*`

Gi a a UfmcZ`hY`7 ci fgY

H\]g`Wci fgY`ZcW`gYg`cb`W`ffYbhFYgYUfW`cb`hY`Wca`dcbYbHg`cZUddfcdf]UHY`dfc[ fUa`XYj`Y`cda`YbhZcf  
[ ]ZYX`UbX`hU`YbhYX`ghi`XYbHg`Dfc[ fUa`a`cXY`g`W`ffYbhmi`gYX`]b`5i`ghfU`]U`UbX`]bHYfbUH]cbU`mk`]`VY  
W]hW`mYj`U`i`UH`X`"Mci`k`]`VY`fYei`]fYX`hc`WcbXi`WibYXXg`UbU`mgYgZ`XYj`Y`cd`dfc[ fUa`[`cU`g`UbX`XYg][`b  
dfc[ fUa`g`Uddfcdf]UHY`Zcf[ ]ZYX`ghi`XYbHg`k`]h`]b`hY`UXa`]b]ghfUHj`Y`ghfi`W`fYg`UbX`YXi`WU]cb`gmghYa`g`cZ  
hY]f`ghUHY`cf`Wci`bfm`F`YgYUfW`cb`hY`YZZYW]j`YbYgg`cZYbf]W`Xa`Ybhz`UWW`YfUH]cb`UbX`j`Uf]ci`g`Zfa`g`cZ  
UV`]mž`UWX`Yj`Ya`YbhUbX`]bHYfYgh[ fci`d]b[ `k`]`VY`WcgY`mYI`Ua`]bYXZk`]h`dUfh]W`Uf`UH]bH]cb`hc`hY`YZZYW]g  
cZ`hY`gY`ghfUH[ ]Yg`cb`hY`ghi`XYbHg]fUW]XYa`]WUbX`gcW]U`XYj`Y`cda`Ybh`H\Y`bYXX`Zcf`Wci`bgY`]b[ `UbX  
a`Ybhc]b[ `hc`VY`]bW`XYX`]b`dfc[ fUa`g`Zcf[ ]ZYX`ghi`XYbHg`UbX`dfc[ fUa`g`XYg][`bYX`hc`]bW`XY`a`]bcf]mž  
h`]W`!YI`W`dh]cbU`UbX`i`bXYfUW]Yj`]b[ `ghi`XYbHg`k`]`U`gc`VY`U`ZcW`g`

## 5 h`hY`WcbWi`g]cb`cZ`h`]g`Wci fgY`hY`ghi`XYbhk`]`VY`UV`Y`hc

- %` 7`f]h]ei`Y`hY`W`ffYbhYXi`WU]cbU`UbX`gcW]U`]ggi`Yg`UbX`UH]h`XYg`UZZYW]b[ `hY`XYj`Y`cda`YbhicZ  
gdYW]U`dfc[ fUa`g`Zcf[ ]ZYX`ghi`XYbHg`]b`hY`5i`ghfU`]U`UbX`]bHYfbUH]cbU`WcbHYI`h`
- &` 8`]gW`gg`k`Umj`]b`k`]\]W`]bHY`YWi`U`m[ ]ZYX`ghi`XYbHg`X]ZZYf`Zca`U[`Y!`dYfYg`]b`Vch`hY]f`Wc[ `b]h]`Y  
UbX`gcW]cUZZYW]j`Y`XYj`Y`cda`Ybhz`UbX`hY`]a`d`]WU]cbg`cZ`h`]g`Zcf`UV`]m[ fci`d]b[ `UbX`UWW`YfUH]cb`  
` 5`bU`mgY`hY`Uddfcdf]UHY`bYgg`cZU`fUb[ `Y`cZUV`]m[ fci`d]b[ `UbX`UWW`YfUH]j`Y`dfc`WXi`fYg`Zcf[ ]ZYX  
ghi`XYbHg`]b`hY]f`dUfh]W`Uf`gW]cc`WcbHYI`h`
- ("` 9`j`U`i`UH`hY`YZZYW]j`YbYgg`cZYXi`WU]c`ff]W`ffYbhgW]cc`cf`↑`f]gX]W]cb`dc`]W]cb`hY`YXi`WU]cb`cZ  
[ ]ZYX`UbX`hU`YbhYX`ghi`XYbHgZ`]b`hYfa`g`cZ`ck`YZZYW]j`Y`U`d`UhZfa`]hdfcj`XYg`Zcf`dfc[ fUa  
XYj`Y`cda`Ybh`
- )` "A`U`\_Y`dfc`ZYgg]cbU`XYW]g]cbgZ`cb`hY`VUg]g`cZ`fYgYUfW`Z]bX]b[ `gZ`cb`hY`XYj`Y`cda`Ybhz`]b`YXi`WU]c`ff]g  
gW]cc`gZ`cZ`dfc[ fUa`g`cZUV`]m[ fci`d]b[ `UbX`UWW`YfUH]cb`Zcf`UW]XYa`]W]m[ ]ZYX`ghi`XYbHg`

## HYUWX]b[ `GhfUH[ ]Yg`

HYUWX]b[ `ghfUH[ ]Yg`h`hY`Wci fgY`]bW`XYg`U`j`Uf]YhmcZ`YUfb]b[ `ghfUH[ ]Yg`h`UhZcW`g`cb`dfc]`X]b[ `ZYI`]VY  
UbX`dYfYgcbU`YUfb]b[ `h`fci [ \`hY`i`gY`cZcb`]bY`Yggcbg`"H\Y`Wci fgY`Yb[ U[ `Yg`ghi`XYbHg`]b`YUfb]b[  
h`fci [ \`hY`i`gY`cZcb`]bY`YWi`fYg`UbX`k`cf`g`cdg`dfYgYbhYX`VmU`j`Uf]YhmcZ`cW]`UbX`]bHYfbUH]cbU`YI`dYfh  
YXi`WU]c`fg`]b`hY`Z]Y`cZ[ ]ZYX`YXi`WU]cb`"C`b`]bY`k`YY`\_`mUW]j`]hYg`k`]`i`gY`U`fUb[ `Y`cZ`HY`UWX]b[ `ghfUH[ ]Yg  
hc`]bj`c`j`Y`ghi`XYbHg`]b`W]hW]z`WYUH]j`Y`UbX`fYZYW]j`Y`h`]b\_]b[ `dfc`W]ggYg`"C`b`]bY`X]gW`gg]cb`Zcf`i`a`g`k`]`  
U`ck`ghi`XYbHg`hc`W]U`Yb[ `Y`UbX`fY`Z]bY`hY]f`]XYUg`k`]h`dYfYg`UbX`h`hc`fgZ`UbX`hc`g`UfY`Zca`hY]f`dYfYgcbU`  
YI`dYf]YbW`"G`h`XYbHg`k`]`VY`YbWci`fU[ `YX`hc`W]hW]mYj`U`i`UH`hY]f`W`ffYbhdfUW]W]g`UbX`i`bXYfgh]bX]b[  
cZ`dfc[ fUa`a`]b[ `Zcf[ ]ZYX`ghi`XYbHgZ`UbX`hc`fYXYg][`b`dfUW]W]g`cb`hY`VUg]g`cZ`W`ffYbhFYgYUfW`"H\Y`gY`Z  
X]fYW]X`fYUX]b[ `dfc]`XYX`cb`]bY`k`]`Vfc`UXYb`ghi`XYbhi`bXYfgh]bX]b[ `cZ`W`ffYbhFYgYUfW`UbX`dfUW]W]j`b  
hY`UfYU`cZ`dfc[ fUa`a`]b[ `Zcf[ ]ZYX`ghi`XYbHg`"H\Y`dfYdUfUH]cb`cZ`k`f]hY`b`Ugg][`ba`YbHg`k`]`X`fUk`cb`ghi`XYbh  
fYZYW]cb`cb`W`ffYbhdfUW]W]Z`Ugg]ghk`]h`h`]b\_]b[ `Uvc`i`h`ck`hc`X]ggYa`]bUH`hY]f`YUfb]b[`]b`hY]f`k`cf`  
Ybj`]f`cba`Ybhz`UbX`Wcbg]XYf`k`Umj`hc`Yj`U`i`UH`UbX`Yb`UbW`W`ffYbhdfUW]W]k`]h`]b`hY`WUggfcca`Z`UbX  
UW]cgg]gW]cc`UbX`YXi`WU]cb`gmghYa`g`

F`UH]cbU`Y`h`hY`WcbHY`bhcZ`hY`Wci fgY`dfc]`]XYg`Ub`c`j`Yf`]Yk`cZ`hY`a`U`cf`]ggi`Yg`h`Uhia`UmVY`fY`Yj`Ubh`hc  
YXi`WU]cbU`dfc[ fUa`a`]b[ `Zcf[ ]ZYX`UbX`hU`YbhYX`ghi`XYbHg`"C`b`]bY`YWi`fYgZ`k`cf`g`cdgZ`UW]j`]hYgZ`UbX  
fYei`]fYX`fYUX]b[ `g`YI`d`cfY`W`ffYbh`hY`cfm]UbX`dfUW]W]`cb`U`fUb[ `Y`cZ`]ggi`Yg`]b`hY`[`fci`d]b[ `UbX  
UWW`YfUH]cb`cZ[ ]ZYX`UbX`hU`YbhYX`ghi`XYbHgZ`U`ck`]b[ `ghi`XYbHg`cZ`hY`Wci fgY`hc`YUfb`bYk`]bZ`fa`UH]cb`UbX

g\_]`g""Gh XYbh]XYUg`k ]`VY`fYZ]bYX`hfc i [ \ `cb`]bY`dcghX]gW gg]cbg`UbX`YXi WU]cbU`UW]j ]hYgžk \ ]W`k ]`  
Ugg]ghgh XYbhg`hc`VYW`a Y`a cfY`h.cfc i [ \ `mZJa ]]]Uf`k ]h`dfUW]VW`g`k \ ]W`UfY`g\ck b`hc`VY`YZYW]j Y`]b  
dfc[ fUa a ]b[ `Zc`f`[ ]Z]YX`UbX`hU`YbhYX`gh XYbhg"

H\YgY`UW]j ]hYgž`UbX`hY`hk`c`UggYgga`Ybhgž`k ]`U`gc`Yb`UbW`gh XYbhg`UV]]]mihc`UggYgž`U`hYf`UbX`UXUdh  
dfc[ fUa a ]b[ `cdh]cbg`hUhUfY`W ffYbhmi`gYX`]b`cfXYf`hc`fYZYW]hYgYUfW!VUgYX`dfUW]W`UbX`W`bhY`h`U`  
bYYXg"



## 5ggYgga Ybh

Q-YfY'mci 'WUbi'ci h]bY'UbmiFY'Yj Ubh]bZcfa Uh]cb'hUhk Ug'bch]bWl XYX'j]b'5 #A G'Vi ha Umidfcj Y'\Y'dZ'`Zcf mci f'gh XYbhg": cfYI Ua d'Yžmci 'a ][ \hdfcj ]XY'XYHJ]g'cb'hY'fYZfYbW]b[ 'gmghYa ž'"]b\_g'hc'dfYj ]ci g gh XYbhYI Ya d'Ufg'cf'hY'XYg][ bUH'X'k YY\_]b'hY'Wci fgY'hUhmc i 'k ]'X]gW gg'hY'UggYgga YbhUh'Yb[ h" #a dcfUbhimž'h]g'gYW]cb'j]g'Ub'UFYU'Zcf'mci 'hc'dfcj ]XY'j]bZcfa Uh]cb'hUhXcYg'bch[ c'h'fci [ \ 'hY'Uddfcj YX [ cj YfbUbW'ghfi W'h fY"Q

## 5ggYgga YbhHUg\_g'

5ggYgga YbhHUg_g'	K Y][ \h	Gh XYbh@YUfb]b[ Ci hWca Yg 5ggYggYX	5 #HG@DfcZYgg]cbU'; fUXi UH HYUW]b[ 'GHJbXUfXg'5ggYggYX	8i Y 8UH
Dfc[ fUa Yj U'i Uh]cb'	( \$i	%ž&ž ž(	b#J	&' #)\$' #& \$% \$) .\$\$ DA
Dfc[ fUa 'dfcdcgU'	* \$i	&ž ž( ž)	b#J	\$(, #)\$) #& \$% \$) .\$\$ DA

D'YUgY'fYZf'hc'3gefδ[S` BdaWwe[a` S^E fS` VSdVe XadFWSUZWde'cb'hY'dfYj ]ci g'dU[ Y

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% 'Dfc[ fUa 'Yj U'i Uh]cb

H\YfY'UfY'rk c'dUfhg'rc'h\]g'Ugg][ ba Ybh'DUfh5'DfYgYbHh]cb'UbX'DUfh6'DUdYf''5XX]hcbU'']bZcfa Uh]cb'cb  
A ccX'Y"

Hi fb]hb'gYh]b[ . H\]g'jg'bchiU'Hi fb]hb'Ugg][ ba Ybh

## Gi Va ]gg]cb'cZ5ggYgga YbhHUg\_g

Gh XYbhg'UfY YI dYWfX'hc'di hHAY'f'buA Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[ Y'cZHY]f'Ugg][ ba Ybhg"

## Hi fb]hb'Gi Va ]gg]cb

znci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhfYa dh]b[ 'hc'gi Va ]hnci f'Ugg][ ba Ybh'fci [ \ 'Hi fb]hbzd'YUgY  
h'Yd\cbY'9I hYfbU'Gi ddcfhcb'-' , ) "' ' ' %cfYa U]'hYa 'cb'[YI hYfbU'h'fji ddcfh4 i bgk "YXi "Ui "](#)"Gi ddcfh  
\ci fg'UfY' , .\$Ua '-%\$. \$da 'cb'k YY\_XUmg'UbX'-' .\$Ua '-) . \$da 'cb'k YY\_YbXg'f' \*) 'XUmg'U'mYUfL'"znci  
UfY'i bUVY'hc'gi Va ]hnci f'Ugg][ ba YbhXi Y'hc'U'ZU'i 'hk ]h'Hi fb]hb'nci 'a UmiUdd'mZcf'Ub'YI hYbg]cbz'Vi hnci  
a i ghfY'U]b'nci f'h]W\_Yhbi a VYfZ'ca '9I hYfbU'Gi ddcfhfU'cb[ 'k ]h'UbmchYf'fY'Yj UbhXcW a Ybhg'hc  
]bWi XY'Ug'Yj ]XYbW'hc'gi ddcfhnci f'YI hYbg]cb'Udd']W]h]cb'"znci 'Ya U]'9I hYfbU'Gi ddcfhnci 'k ]  
Ui hca Uh]W' 'mfYW' ]j Y'U'h]W\_Yhbi a VYfz'Vi h]Znci 'h'Yd\cbY'nci 'k ]'b'YX'hc'gdYW]Z]W' 'miUg'\_Zcf'cbY"  
Hi fb]hb'U'gc'dfcj ]XYgi dXUH'g'cb'hAY]f'gmghYa 'ghUh'g'cb'Hk ]hYf"

; YbYfU'mz'UggYgga YbhHUg\_g'a i ghVY'gi Va ]hYX'Y'YWfcb]W'mj ]U'Y]h'Yf'Hi fb]hb'cf'U'A ccX'Y  
Ugg][ ba Ybh' 'b ]bghUbW'g'k \YfY'h.]g' ]g'bchdcgg]V'YZ'hk ]'VY'g'U'YX'cb'nci f'Wci fgY'g'A ccX'Y'g]h'k ]h  
U'hYfbUh] Y'gi Va ]gg]cb'XYU]g"

## @UH'5ggYgga YbhDYbU'h]Yg

5b'UggYggYX'fUg\_' ]g'XYYa YX'UH' ]Z]h]g'gi Va ]hYX'UZ'Yf'h'Y'gdYW]Z]YX'h'a Y'UbX'XUH'Ug'gYhci h]b'h'Y  
Wci fgY '@YUfb]b[ 'A UbU[ Ya YbhGmghYa 'f@a G'

HAY'UH'dYbU'hm]g'hY'cgg'cZ) i 'cZHY'hcU'dcgg]V'Ya Uf\_g'Zcf'hAY'fUg'\_Zcf'YUWX'XUmf'dUfh'hAYfYcZHY  
k cf\_' ]g'UH' '@UH'bYgg'k ]' ]bWi XY'k YY\_YbXg'UbX'di V']W\c']XUmg" H\ ]g'XcYg' bchUdd'mhc'U'fUg\_'hUh]g  
UggYggYX'Vi hbc'a Uf\_' ]g'Uk UfXYX"

K cf\_'gi Va ]hYX'Zci fHYb'f'X'UXUmg'UZ'Yf'h'Y'Xi Y'XUH'k ]'VY'a Uf\_YX'UbX'Z'YXVUW'dfcj ]XYX'Vi hbc'a Uf\_  
k ]'VY'fYW'fXYX'"zHY'k cf\_'k ci 'X'\Uj Y'fYW'j YX'U'dUgg'a Uf\_'Vi hZcf'hAY'UH'bYgg'UbX'h'Y'k cf\_' ]g'U  
Wca di 'gcfmWci fgY'Wca dcbYbhZ'U'ghi XYbhk ]'VY'XYYa YX'hc'\Uj Y'a Yh'hUh'fYei ]fYa Ybh'H\ ]g'XcYg'bch  
Udd'mhc'U'fUg\_'hUh]g'UggYggYX'Vi hbc'a Uf\_' ]g'Uk UfXYX"

K cf\_'gi Va ]hYX'h'k Ybh'cbY'f&%X'UXUmg'UZ'Yf'h'Y'Xi Y'XUH'k ]'bchVY'U'W'W'dhX'Zcf'a Uf\_]b[ 'cf'Z'YXVUW\_  
UbX'k ]'fYW'j Y'bc'a Uf\_'cf[ fUXY'"zHY'UggYgga YbhHUg\_g'U'Wca di 'gcfmWca dcbYbh'cZHY'Wci fgY'U  
gh XYbhk ]'Ui hca Uh]W' 'mZU]'h'Y'Wci fgY"

## GdYW]U'7cbg]XYfUh]cb'5dd']W]h]cbg

Mci 'Wb'Udd'mZcf'gdYW]U'W'cbg]XYfUh]cb'k \Yb' ]'bYgg'cf'ch'Yf'W'fW a ghUbW'g' ]bh'fZYf'k ]h'nci f  
UggYgga Ybh'YfZ'ca UbW'"

G]W\_bYggza ]gUXj Ybh'fY'cf'ch'Yf'W'fW a ghUbW'g'VYncbX'nci f'W'blfc''a Um

f'DfYj Ybh'nci 'Z'ca 'Wca d'Y'h]b[ 'U'Wci fgY'fYei ]fYa Ybhz

f'?YY'd'nci 'Z'ca 'UH'bX]b[ 'Ub'UggYggUV'Y'U'W]j ]mz

f'G'hd'nci 'gi Va ]hb[ 'UggYggUV'Y'k cf\_'Zcf'U'Wci fgYz



f`G][ b]Z]W]b]h]m]U]Z]Y]W]h]m]i] f]d]Y]f]Z]c]f]a] U]b]W]W] ]b]U]g]g]Y]g]g]U]V]`Y]`k] c]f]\_]Z]V]Y]`]h]U]`Z]c]f]a] U]`Y]b]X]!]c]Z]g]Y]a] Y]g]h]Y]f]`Y]I] U]a] ]b]U]h]c]b]Z]U] W]U]g]g]`h]Y]g]h]Z]U]`U]V]c]f]U]h]c]f]m]h]Y]g]h]Z]U]`g]Y]a] ]b]U]f]d]f]Y]g]Y]b]h]U]h]c]b]`c]f]U]b]m]c]h]Y]f]Z]c]f]a] `c]Z]U]g]g]Y]g]g]a] Y]b]h]

: c]f]Z] f]h]Y]f]X]Y]h]U]`g]`]b]`f]Y]`U]h]c]b]`h]c]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`]b]W]i] X]b] [ ``K] \]Y]b]`h]c]`5]d]d]`m]Z]``<]c]k] `h]c]`5]d]d]`m]`U]b]X] `G]i] d]d]c]f]h]b] [ `8]c]W] a] Y]b]h]U]h]c]b]``d]`Y]U]g]Y]`f]Y]Z]f]`h]c]`h]Y]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`k] Y]V]g]h]Y]`.

[\\]h\]c\]g.\]#\]g\]h\] X\]Y\]b\]h\]i\] b\]g\]k\] "Y\]X\]i\] "U\]i\] #\]g\]d\]Y\]W\]U\]`!\]W\]c\]b\]g\]X\]Y\]f\]U\]h\]c\]b\]](#)

## 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" #WUb`hU\_Y'a Ubm Zcfa gž Zca`XY]VYfUHy`WXYU]b[ 'hc`UWV]XYbU`mWc`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`hY`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[ Ygž`Ufh`UbX`XYg][`b`dfc`YWgž`Ug`k`Y`Ug`dfYgYbhU]cbg`k`YfY`gca`YcbY`dfYgYbh]b[`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]hci`hWYX]h'

#Uddfcdf]UHy`dUfUd`fUg]b[.`W`Ub[ ]b[ `U`Zy`k`cfXg`UbX`d`fUgYg`k`Y`a`cghm`fYU]b]b[ 'hY`cf][ ]bU`g]fi`W`fY`UbX`]bZcfa`U]cb`k`]hci`hUW\_bck`YX[ Ya`Ybh`"H`]g`U`gc`Udd`]Yg`]b`dfYgYbhU]cbg`k`YfY`gca`YcbY`dUfUd`fUgYg`Ubc`h`Y`f`g`]XYUg`cf`k`cfXg`k`]hci`hWYX]h' #U`gc`Udd`]Yg`hc`d`]YW]b[ `hc`[ YhYf`ei`chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`c`Yž`k`]hci`hYfYfYbW]b[ `UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`Vf]b[ 'hY`a`UHyf]U`hc`[ YhYf`"

7c`i`g]cb.`k`cf\_]b[ `k`]h`chYfg`Vi`hdUgg]b[ `cZ`h`Y`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`Ubc`h`Y`f`gh`XYbhVYZc`fY`hY`Xi`Y`XUHy`ž`cf`Zc`f`hY`di`fdcgY`cZ`h`Ya`d`U[ ]Uf]g]b[ `Uh`Ubmi]a`Yž`dUm]b[ `Ubc`h`Y`f`dYfgcb`hc`dYfZc`fa`Ub`UWUXYa`]WUg`ž`ghU`]b[ `cf`UW`ei`]f]b[ `Ubc`h`Y`f`dYfgcb`g`UWUXYa`]Wk`cf`\_`UbX`Wc`dm]b[ `]ž`c`ZYf]b[ `hc`Wc`a`d`YHy`Ubc`h`Y`f`dYfgcb`g`k`cf`\_`cf`gYY\_]b[ dUma`YbhZc`f`Wc`a`d`Y]b[ `UWUXYa`]Wk`cf`\_"

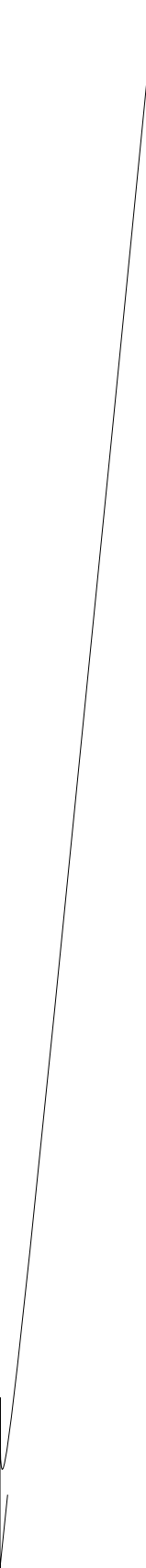
#Uddfcdf]UHy`W]U]cb.`7`]h]b[ `gci`fW`g`k`W`Uj`Y`bchVYYb`fYUXž`k`]hci`hUW\_bck`YX[ ]b[ `hY`"gYWc`bXUfm`gci`fW`Zca`k`W`\_bck`YX[ Y`cZ`h`Ya`U`g`VYYb`cVU]bYX"

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

7c`ffYW`fYfYbW]b[ `dfUW]W]g.

- DUfUd`fUg]b[ žgi`a`a`Uf]g]b[ žYggUmk`f]h]b[ `UbX`h]a`Y`a`UbU[ Ya`Ybh`
-

- VYhYf'a UbU[ Y'mci f'h]a Y
- i bXYfgHUbX'mci f'f][ \hg'UbX'fYgdcbg]V']hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'W'dmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'l gY'cZ  
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

BchiUj U]UVY

F YWca a YbXYX`F Ygci fWg

BchiUj U]UVY

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

⇒ U[ Y`7 fYX]h

GmbYf[ ]Yg`]b`Gci bX`&\$%\*`

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7 cXY. '\$\$\$- , ;