

# EDST6730

7 \ ] b Y g Y ' A Y h c X ' &

H Y f a & z & \$ & &



7 ci fgY`Cj Yfj ]Yk

GHJZZ`7 cbHJW`8YHU]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]fm	@cW]h]cb	D\cbY
7UH\`YYb`>]b	<a href="#">W]h\`YYb`]b4 i bgk "YXi "Ui</a>	VmUddc]b]a Ybh cb`m		

Hi h`c`fg

BUa Y	9a U]`	5j U]`UV]`]fm	@cW]h]cb	D\cbY
F i Vm]Ub[	<a href="#">Vc`m]Ub[ %4 i bgk "YXi "Ui</a>	VmUddc]b]a Ybh cb`m		

GWXcc``7cbHJW`hZcfa U]h]cb

GWXcc``cZ9Xi W]h]cb

5f]gž8Yg][ b`UbX`5fWX]hYW]h fY

; fci bX: `ccfž`A cfj Yb`6fck b`6i ]`X]b[ `fi &\$Ł

H. Ž`\*`%f&Ł`-` , )`%`++

9. YXi W]h]cb4 i bgk "YXi "Ui

K .

## 5W\_bck`YX[ Ya YbhcZ7ci bHfm

I B GK `5fngž8Yg][ b`UbX`5fWk]HfWfi fY? Ybg]b[ hcb`UbX`DUXX]b[ hcb`Wla di gYg`UfY`Vi ]hcb`5Vcf][ ]bU`  
@UbXg"K Y`dUmci f`fYgdYWtg`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`UbXYf`dYcd`Ygž`hY` : ]fgh5i`gfcU`Ubgžk`c`gY`UbXgž  
k ]bXg`UbX`k`UHf`g`k`Y`U`bck`g`UfYž`UbX`dUm`fYgdYWfi`hc`hY`f`i`b]ei`Y`j`U`i`Ygž`UbX`hY`f`W`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`UbW`c`f`b`X][ Ybci`g`[L`B`G`K`f`g`b`X\]\[ Ybci`g`g`f`U`h`\[`m](#)





f 7cj YfYX'Xi f]b[ 'hY'Wci fgY



8i Y'XUHy. '&( #\$, #&\$&&'\$) .\$\$'DA

I g]b[ 'hY'gWtdY'UbX'gYeI YbW' dfYdUFYX'Zcf'5ggYgga Ybh%UbX'hY'ZYXVUW'fYW'] YXzdfYdUFY'U'i b]hcZ  
k cf\_ Zcf'GHU[ Y'\* k \]W'W'j Yfg'Uddfcl ]a Uh'm\U'Z'hY'h'fa "'bX]W]h]j Y'Yb[ h.' '\$\$\$'k cfXg"

5 ZYXVUW'g\YYhk ]'VY'dfcj ]XYX"

5XX]h]cbU'XYHJ]g

DfYdUFY'U'i b]hcZk cf\_ Zcf'MYUF%'&'7 cb]bi Yfg'CF '6Y[ ]bbYfg'<G7 'W'ci fgY" 'Mci 'bYX'h'c'Ybgi fY'hY'i b]h  
XYa cbgfUH'g'mci 'UFY'fYUXm'hc'd'Ub'UbX'h'UW'GHU[ Y'\* 'YZYW]j Y'n'"A U\_Y'gi fY'mci '\Uj Y'fYZYW]X'cb'hY  
ZYXVUW'\_mci 'fYW'] YX'Zcf'hY'gWtdY'UbX'gYeI YbW' 'mc#dfYdUFYX'Zcf'5ggYgga Ybh%"

\Y'i b]hcZk cf\_'g\mc X' bX]W]h]Y





GdYWZjW7 f]hYf]U	11ł ————— 2fłł				
<p>: Ua ]]Uf]mk ]h`UbX`fY`Yj UbW`cZdfcZYgg]cbU`UbX#cf`fYgYUfWx` ]hYfUhi fY`i gYX`hc`gi ddcfhfYgdcbgY</p> <ul style="list-style-type: none"> <li>• I bXYfghUbXg`YZYW]j Y`UggYgga YbhdfUW]W]g</li> <li>• I bXYfghUbXg`YZYW]j Y`UggYgga YbhdfUW]W]g</li> </ul>					
<p>Ghfi W]i fY`UbX`cf[ Ub]gUh]cb`cZfYgdcbgY</p> <ul data-bbox="193 725 209 748" style="list-style-type: none"> <li data-bbox="193 725 209 748">•</li> </ul>					

YWh fYfg'a UmU'gc WcbYI hi U' ]gY UbX#cf'Ua YbX'hYgY'gdYWZWWf]Hrf]U" H\Y'fYWta a YbXYX:[ fUXY' ]g  
HbHhj Y'cb'm'gi V'YWhc'ghUbXUfX]gUhcb'dfcW'ggYg'UbX'Uddfcj U'Vm'hY'GVX'cc'`cZ9Xi Wjhcb'@YUfb]b[  
UbX'HYUWX]b[ '7ca a ]hYY"



GdYWZjW7 f]hYf]U

11fł ————— 2fłł

XYHJ]`k ]h.ci hdfcj ]X]b[ `Z ``d`Ubg


GdYWZjW7 f]hYf]U

fl ————— 2fZł

; YbYfU`Wta a YbYf#YWta a YbXU]cbg`Zcf`bYI h]ja Y.`

FYWta a YbXYX.

#&\$fl @DG`7F`8B`<8ł

K Y][ \h]b[ .

\* \$i

B6. H\Y`h]W\_g`]b`h\Y`j`Uf]ci`g`Vcl`Yg`UFY`XYg][`bYX`rc`dfcj`]XY`ZYXVUW`hc`ghi`XYb]g/h\YmUFY`bch[`]j`Yb`  
Yei`U`k`Y][` \h]b`XYhYfa`]b]b[`h\Y`fYWta`a`YbXYX`[`fUXY`"8YdYbX]b[`cb`h\Y`bUhi`fY`cZh\Y`UggYgga`Yb]fUg\_ž`  
YWfi`fYfg`a`UmU`gc`WcbhYI`h`U`]gY`UbX#cf`Ua`YbX`h\YgY`gdYWZjW7f]hYf]U`H\Y`fYWta`a`YbXYX`[`fUXY`]g`  
hYb]U]j`Y`cb`mž`gi`V`YWfi`hc`gh]bXUfX]gU]hcb`dfcW]ggYg`UbX`Uddfcj`U`Vm]h\Y`GV]cc`cZ9Xi`W]h]cb`@YUfb]b[`  
UbX`HYUW]b[`7ca`a`]hYY`"

gkUbx]b[ 'h.Y'gm'UVi .g.




F Ygci fWg

DfYgW]VYX F Ygci fWg

Gi Va ]gg]cb 'cZ5ggYgga YbhiHUg\_g

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

Ʒmci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b[ 'hc'gi Va ]hmc i f'Ugg][ ba YbhiH'fci [ \ 'Hi fb]h]bž'd'YUgY  
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-' , ) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'f'gi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh  
\ci fg'UfY' , .\$Ua '—%\$.\$\$da 'cb'k YY\_XUmg'UbX'-. .\$Ua '—) . \$\$da 'cb'k YY\_YbXg'fI \*) 'XUmg'U'm'YUfI" Ʒmci  
UfY'i bUV'Y'hc'gi Va ]hmc i f'Ugg][ ba YbhiXi Y'hc'U'Zi 'hk ]H'Hi fb]h]b' mci 'a UmUdd'm'Zc'f'Ub'YI HYbg]cbž'Vi hmc i  
a i ghfYHU]b' mci f'h]W\_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb[ 'k ]H'UbmcH'Yf'fY'Yj UbhXcW a YbHgE'hc  
]bWi XY'Ug'Yj ]XYbVW'hc'gi ddcfhmci f'YI HYbg]cb'Udd' ]W]h]cb" Ʒmci 'Ya U] '9I HYfbU'Gi ddcfhmci 'k ]  
Ui 'ca UH]WU'm'fYW]j Y'U'h]W\_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY' mci 'k ]'b'YX'hc'gd'YW]WU'm'Ug\_ 'Zc'f'cbY"  
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUH'g'cb'H'Y]f'gmgh'Ya 'ghU'hi g'cb'Hk ]H'Yf"

; YbYfU'mž'UggYgga YbhiHUg\_g'a i ghVY'gi Va ]H'YX'Y'YW'fcb]WU'mj ]U'Y]H'Yf'Hi fb]h]b'cf'U'A ccX'Y  
Ugg][ ba YbH' 'b]bgHUbVW'g'k \YfY'H'g ]g' bchidcgg]V'Yž'hk ]'VY'ghU'YX'cb' mci f'Wci fgY'g'A ccX'Y'g]H'k ]H  
U'HYfbUH] Y'gi Va ]gg]cb'XYHU]g"

: cf]bZ'fa UH]cb'cb'\ck 'hc'gi Va ]hUgg][ ba YbHg'cb]bY'j ]U'A ccX'Y. \H'hdg. #gh XYbH'i bgk "YXi "Ui #ck!  
gi Va ]hUgg][ ba YbH'a ccX'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`dFYgYbh]b[ `h`Ya `Ug`mci f`ck b``#WUb`hU`Y`a Ubm  
Zcfa gZ`Zca `XY`]VYfU`h`V`X`YU`h]b[ `h`U`W`Y`X`Y`b`U`m`W`c`d`m]b[ `Z`ca `U`gci f`W`k ]h`ci hUW`bck `YX[ `Ya `Yb`h`

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

7cdm]b[ .`I`g]b[ `h`Y`gUa`Y`cf`j`Y`fmg]a ]Uf`k`cfXg`h`c`h`Y`cf][ ]bU`h`Y`h`cf`]XYU`k ]h`ci hUW`bck `YX[ ]b[ `h`Y`  
gci f`W`cf`i`g]b[ `ei`c`h`U`h`c`b`a`Uf`g``H`g]b`W`i`X`Y`g`W`c`d`m]b[ `a`U`h`f]U`g`z`]XYUg`cf`W`c`b`W`d`h`g`Z`ca `U`V`cc`\_`z`U`f`h]W`Y`z`

## 5 WUXYa ]WbZcfa Uh]cb

8i Y`tc`Yj`c`j` ]b[ `UXj` ]W`VmiB`GK` `<YU`h`z`gh` XYbh`g`a` i` gh`WXYW`Zc`f`i` dXU`h`X`]bZc`fa` Uh]cb`fY[ `UfX]b[ `cb`]bY`  
`YUfb]b[ `Zc`f`U`5`fng`z`8`Yg][ `b`UbX`5`fW`X]h`W`h` fY`W`e`i` fgY`g`h`g`h`f`a` `fj` ]U`A` ccX`Y`c`f`W`e`i` fgY`]bZc`fa` Uh]cb`  
dfcj` ]XYX`"Ł

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

- fYei`Yg`hg`Zc`f`YI`h`bg]cb/
- `UH`gi`Va` ]gg]cbg`[ `i` ]XY`]bYg/
- fYj`]Yk`c`Za`Uf`\_g/
- I`B`GK` `<YU`h`UbX`GUZ`h`m`d`c`]W`Y`g/
- YI`Ua` ]bUh]cb`dfc`W`X`i` fYg/
- gdY`W`U`W`e`bg]XY`f`Uh]cb`]b`h`Y`Y`j`Y`bh`c`Z`]`b`Y`gg`c`f`a` ]g`U`X`j`Y`bh` fY/
- gh`XY`bh`Ye`i` ]m`UbX`X`g`U`V`]`]m/
- UbX`c`h`Y`f`Y`gg`Y`bh]U`U`W`X`Y`a` ]W]bZc`fa` Uh]cb`z`g`Y`Y`

\h`d`g`.#`k`k`k`"i`bgk`"Y`Xi`"Ui`#U`f`hg`!`XY`g][`b`!`U`f`W`X]h`W`h`fY`#`gh`XY`bh`]Z`#`Y`g`c`i`f`W`g`!`g`i`d`d`c`f`h`#`d`f`c`h`W`e`g`!`[`i`]`XY`]`b`Y`g`

⇒ U[ Y`7`fYX]h

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

7F ⇒ CG

7F ⇒ CG`D`f`c`j` ]XY`f`7`c`XY`.\$`\$`\$`-` ;`