

# EDST6715

6i g]bYgg'Ghi X]Yg'A Yh\cX'%

HYfa %Z&\$&&



7ci fgY`Cj Yfj ]Yk

GHJZZ'7cbHJWñ'8YHJ]`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWJhcb	D\cbY
>cY`5j Ufc	<a href="#">^Uj Ufc4 i bgk "YXi "Ui</a>	9a Uj`Zcf`Ub Uddc]bñ Ybñ	B #5	B #5

GWXcc`7cbHJWñ`bZcfa Uhjcb

GWXcc`cZ9Xi WJhcb

5ftgž8Yg][ b`UbX`5fWX]ñYWñ fY

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

H. `Ž \*%f&Ł`- ' , ) `%- ++

9. YXi WJhcb4 i bgk "YXi "Ui

K . \hñdg.## k k "Uftg"i bgk "YXi "Ui #YXi WJhcb

## 5W\_bck`YX[ Ya YbhcZ'7ci 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`UbXYf`dYcd`Ygž`hY`; ]fgh5i`g`fU`]Ubgž`k`c`gY`UbXgž`  
k`]bXg`UbX`k`U`fYg`k`Y`U`bck`g`UfYž`UbX`dUm`fYgdYWhi`hc`hY]f`i`b`jei`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`c`Zci`f`b`U`h`cb`UbX`W`a`a`i`b]h`Yg`"




HYUWX]b[ 'GhfUHY[ ]Yg.

9I d]W]hHYUWX]b[ ž]bW X]b[ 'YVWi fYgž'hc'XYa cbghfUHY'Ub'i bXYfghUbX]b[ 'cZghi XYbhf3'X]ZZYfYbh  
UddfcUWX'Yg'hc'YUfb]b[ 'UbX'hY'i gY'cZU'fUb[ Y'cZHYUWX]b[ 'ghfUHY[ ]Yg'hc'Zcgh'f']bHYfYghUbX'gi ddcfh  
YUfb]b[

Ga U''[ fci d'W'cdYfUHj Y''YUfb]b[ 'hc'i bXYfghUbX'hY'ja dcfUbwW'cZHYUa k cf\_]b'Ub'YXi WU]cbU'W'cbHYI h  
UbX'hc'XYa cbghfUHY'hY'i gY'cZ[ fci d'ghfi W'i fYg'Ug'Uddfcdf]UHY'hc'UXXfYgg'hYUWX]b[ 'UbX'YUfb]b[ '[ cU'g

Gfi W'i fYX'cWU]g]cbg'Zcf'fYZYW]cb'cb''YUfb]b[ 'hc'U''ck'gh'XYbhf'hc'fYZYW]h]W''mcb'UbX'ja dfcj Y  
HYUWX]b[ 'dfUW]W

9I h'bg]j Y'cdcfh b]h]Yg'Zcf'k'c'Y'[ fci d'UbX'ga U''[ fci d'X]U'c[ i Y'UbX'X]gW'gg]cbž'U''ck ]b[ 'ghi XYbhf'hY  
cdcfh b]m'hc'XYa cbghfUHY'hY]f'WUdUW]m'hc'W'ca a i b]WUHY'UbX''U]gY'k ]h'hY'X]j YfgY'a Ya VYfg'cZUb  
YXi WU]cb'W'ca a i b]mž'UbX'hc'XYa cbghfUHY'hY]f'\_bck'YX[ Y'UbX'i bXYfghUbX]b[ 'cZa Yhc'X'W'cbHYbh'

C b']bY''YUfb]b[ 'Z'ca 'fYUX]b[ g'cb'hY'6'UW\_VcUfX'k YVg]hY

C b']bY'X]gW'gg]cbg

DYYf'HYUWX]b[ 'b'U'g]a i 'UH'X'WUggfcca 'gYh]b[

H\YgY'UW]j ]h]Yg'k ]''cWV'f']b'U'WUggfcca 'W]a UHY'hUh]g'gi ddcfh] Y'UbX''bW] g]j Y'cZU''YUfbYfg

## 5ggYgga Ybh

5ggYgga YbhUg_	K Y][ \h	8i Y'8UH'	7ci fgY'@YUfb]b[ Ci hWta Yg'5ggYggYX
%" @Yggcb`d`Ub			

5ggYgga Ybh&. l b]hcZk cf\_`ci h]bY

8i Y`XUHY. H\i fgXUm&, # #&\$&&

DfYdUFY`Ub`ci h]bY`Zcf`U`i b]hcZk cf\_`Zcf`U`GHU[ Y`\*`DfY`a ]bUfm`WUgg" H\Y`i b]hcZk cf\_`g\ci `X`Wcj Yf`hY  
ZfghZj Y`Yggcbg`fVi hXc`bchdfYdUFY`Z ``Yggcb`d`UbgL" #Wl XY`U`fUj`cbUY`f\*`\$!\$, \$\$`k`cfXgL`Zcf`hY`i b]f`  
#X]WlHj Y`Yb[ h.`" \$\$\$`k`cfXg"

5`ZYXVUW`g\YYhk ]`VY`dfcj ]YXX"

5XX]h]cbU`XYHJ]`g

Mci `a`i`ghk`f]HY`U`fUj`cbUY`Zcf`hY`i b]hcZk cf\_]b`k` \]W`mci .



F I 6F 7 # 998657? 'G<99H  
98GH\*+% '6I G-B9GG'GHI 8-9G'A 9H<C8 '%

GdYWZjW7 fJHyfJU

11ł ————— 2fZł

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F I 6F ⇨ # 998657? 'G<99H  
98GH\*+% '6I G-B9GG'GHI 8⇨G'A 9H<C8 '%  
I BGK 'G7<CC@'C: '98I 75H€B

5ggYgga YbhHUg\_&.'I b]hcZk cf\_'ci h]bY

GdYWZ]W7 f]Hf]U	1fŁ ————— 2fŁŁ				
<p>I bXYfghUbX]b[ 'cZhY'ei Ygh]cb'cf']ggi Y'UbX'hY'_YmWŁbWdŁg ]bj c'j YX</p> <ul style="list-style-type: none"><li>• 8Ya cbglfUh]cb'cZ_bck 'YX[ YžfYgdYWłUbX'i bXYfghUbX]b[ 'cZhY</li></ul>					



F YWta a YbXYX.

#&\$'fl @'DG'7F '8B '<8Ł

K Y)[ \h]b[ .

\* \$i

B 6. H\Y'h]W\_g ]b'h.Y'j Uf]ci g'Vcl Yg'UfY'XYg][ bYX'hc'dfcj ]XY'ZYXVUW'hc'ghi XYbHg/h.YmUfY' bch[ ]j Yb  
 Yei U'k Y)[ \h]b'XYh'fa ]b]b[ 'h.Y'fYWta a YbXYX' [ fUXY" '8 YdYbX]b[ 'cb'h.Y'bUhi fY'cZ'h.Y'UggYgga YbhtUg\_ž  
 'YW'i fYfg'a UmU'gc'Wt'bh'Y' h U' ]gY'UbX#cf'Ua YbX'h.YgY'gd'YW]Z'WWW]h'f]U" H\Y'fYWta a YbXYX' [ fUXY' ]g  
h'bfU'h]\_Y'cb'mž'gi V'Y'W'h'c'gh'UbX'UfX' ]g'U'h'cb'dfc'W'gg'Yg'UbX'Uddfcj U'Vm'h.Y'G'W'c'c'c'Z'9'Xi W]h'cb'@Y'U'fb]b[  
 UbX'HYUW]b[ '7'ca a ]h'Y"

5hYbXUbW F Yei ]fYa YbHg









Hi hcf]U`

- 5i gfrU`]Ub`HYUWX]b[ `GHJbXUfX`cZH\Y k YY\_"
- 6i g]bYgg`Gh X]Yg`fYgci fW`cZH\Y`k YY\_"
- : YYXVUW`ghfUHY[ ]Yg`Zcf`h\Y`6i g]bYgg Gh X]Yg`WUggfcca "
- HYUWX]b[ `6i g]bYgg`Gh X]Yg`gh XYbhg k f]h]b[ `g\_]`g`!`DUfhiJ ==

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

Gm`UVi g

4fdZ\_Vdd efUZ/d eRXV ( j]]RSfdzBGK`9Xi WWhcb`GfUbXUfXg`5i h\cf]mž&\$\$

HYI Hcc\_g`

A Y`Vci fbY"



Gi Va ]gg]cb 'cZ5ggYgga YbhiHUg\_g

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

Ẓmci 'YbWci bhYf'U'dfcV'Ya 'k \Yb'UHYa dh]b[ 'hc'gi Va ]hmc i f'Ugg][ ba YbhiHfci [ \ 'Hi fb]h]bž'd'YUgY  
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-', ) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'ggi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh  
\ci fg'UfY', .\$\$Ua '—%\$.\$\$da 'cb'k YY\_XUmg'UbX'-. \$\$Ua '—) .\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUfl" Ẓmci  
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'Zcf'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 Ybfg'k'hc  
]bWi XY'Ug'Yj ]XYbVW'hc'gi ddcfhmc i f'YI HYbg]cb'Udd'j]W]h]cb" Ẓmci 'Ya U]'9I HYfbU'Gi ddcfhmc i 'k ]`  
Ui 'ca U]W]m'fYW]j; Y'U'h]W\_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k ]`bYYX'hc'gdYW]Z]W]m'Ug\_ 'Zcf'cbY"  
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUH'g'cb'h'Y]f'gmgh'Ya 'ghU'h'g'cb'Hk ]HYf"

; YbYfU'mž'UggYgga YbhiHUg\_g'a i ghVY'gi Va ]HYX'Y'YWfcb]W]m'j ]U'Y]h'Yf'Hi fb]h]b'cf'U'A ccX'Y  
Ugg][ ba Ybhi'ž ]bg]h]b]W]g'k \YfY'h'g ]g'bc]h]dcgg]V'Yž'hk ]`VY'gh'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]h'k ]h

## 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``#WU`b`hU`\_Y`a`Ubm`  
Zcfa gZ`Zca `XY`]VYfU`h`V`X`YU`h]b[ `h`c`UW`Y`X`Y`b`h`U`m`W`c`d`m]b[ `Z`ca `U`gci f`W`k`]h`ci`h`U`W`\_`b`c`k`Y`X[ `Ya`Y`b`h`

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

7cdm]b[ .`I`g]b[ `h`Y`g`Ua`Y`cf`j`Y`fmg]a`]U`f`k`cf`X`g`h`c`h`Y`cf][`]b`U`h`Y`h`cf`]X`Y`U`k`]h`ci`h`U`W`\_`b`c`k`Y`X[`]b[ `h`Y`  
gci f`W`\_`cf`i`g]b[ `ei`c`h`U`h`c`b`a`U`f`\_`g``H`g]b`W`i`X`Y`g`W`c`d`m]b[ `a`U`h`f]U`g`Z`]X`Y`U`g`c`f`W`c`b`W`d`h`g`Z`ca`U`V`cc`\_`Z`U`f`h]W`Y`Z`

## 5 WUXYa ]W=Zcfa Uh]cb

8i Y`tc`Yj`c`j`]b[ `UXj`]W`VmB`GK` `<YU`h`z`gh`XYbh`a`i`gh`WXYW`\_`Zc`f`i`dXUH`X``]bZcfa`Uh]cb`fY[`UfX]b[ `cb`]bY`  
`YUfb]b[ `Zc`f`U` ``5f`g`z`8`Yg][`b`UbX`5f`W`X`]H`W`h`f`Y`W`e`i`fg`Y`g`h`g`h`Y`f`a``f`j`]U`A`cc`X`Y`c`f`W`e`i`fg`Y`]bZcfa`Uh]cb`  
dfcj`]XYX`"Ł

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

- fYei`Yg`h`g`Zc`f`YI`H`bg]cb/
- `UH`gi`Va`]gg]cbg`[ `i`]XY`]bYg/
- fYj`]Yk`cZa`Uf\_g/
- I`B`G`K` `<YU`h`UbX`GUZ`h`m`d`c`]W`Y`g/
- YI`Ua`]bUh]cb`dfc`W`X`i`f`Y`g/
-