

## **EDST5306**

<ia Ub 8 Yj Y`cda YbhUbX 9 Xi WUhcb

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

## 7ci fgY<sup>-</sup>Cj Yfj ]Yk

## 'GhJZZ'7cbhJWh'8YhJ]`g'

#### '7cbj Ybcfg'

B Ua Y	9a U]`	5j U]`UV]`]hm	@cWUhjcb	D\cbY
8 f <sup>.</sup> A Uf]UbbY A Ubgci f	a Uf]UbbY"a Ubgci f4 i bgk "YXi "U i	o .	>c\b';	-',) %-%(
7. 00ger 1	'	Uddc]bha Ybh	70 70	

#### GWXcc~7cbHJWh~\pdzcfa Uh]cb

GWXcc`cZ9Xi WUhcb

 $5\,fhg.^{.}UbX.^{.}GcW_{J}U.^{.}GW_{J}YbW_{J}'g$ 

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

H. 'Ž \* %'f&Ł'- ' , ) '%- ++

9. YXi WUhjcb4 i bgk "YXi "Ui

K . YXi WUNcb"Ufhg"i bgk "YXi "Ui

## 5 hhyb XUb WY F Yei ] fYa Ybhg

5XX]h]cbU``GW\cc``cZ'9Xi WUh]cb'UhhYbXUbW\`fYei ]fYa Ybhg

#i]g'Yl dYWYX'h\Uh'Ubmigh XYbhYbfc``YX']b'Ub'98GH'Wci fgY'k]h\'r\Y'GW\cc``cZ9Xi WUh]cb'k]```a U\_Y'U

## 7ci fgY 8YHJ] g

7 fYX]hDc]bhg \*

K cf\_`cUX

%) \$`\ci fg`]bWi X]b[`WUgg`WcbHJWi\ci fgž`fYUX]b[gž`WUgg`dfYdUfUh]cbž`UggYgga Ybhž`Zc``ck`i d`UWhjj]hjYgž YhW

### Giaa UfmcZh\Y 7ci fgY

#D'I'N ]g'Wci fgYžmci 'Yl d'cfY'WcbhYa dcfUfmi bXYfgHUbX]b[ 'cZ\i a Ub'XYj Y'cda Ybh'UWfcgg'h\Y'']ZYgdUb'fZfca YUf'm'W\]X\ccX'h\fci [\'UXi 'h\ccXŁ"'Mci 'k]'``Wcbg]XYf'h\Y'd\mg]WU'žWc[b]hj Yž'gcWJU'`UbX'Ya chjcbU'
XYj Y'cda YbhU''dUhhYfbg'UbX'h\Y]f'UWUXYa ]WUbX'bcb!UWUXYa ]W]a d']WUhjcbg"'H\YcfYhjWU''i bXYfghUbX]b[gk]''VY'']b\_YX'hc'UgdYWng'cZYZZYWnj Y'dYXU[c[]WU''dfUWnjWn']b'gW\cc''UbX'i b]j Yfg]hm'WUggfcca g"'

### 5 hh Y WcbWi g]cb cZh ]g Wci fgY h Y gh XYbhk ] ` VY UV Y hc

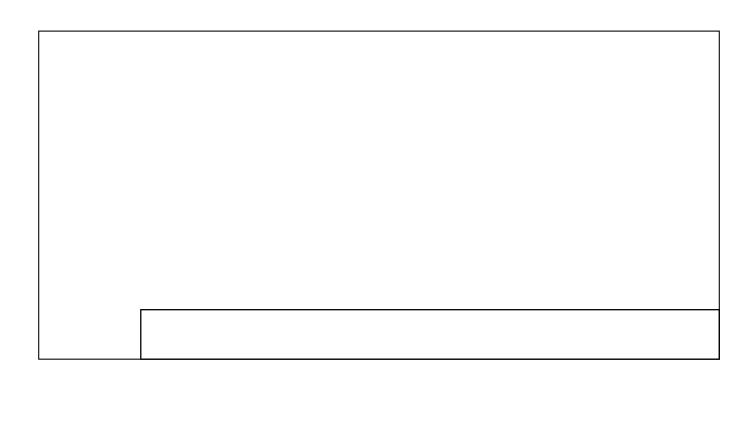
%" 8]gW gg UbX Yl d`U]b dYfgdYWfj Yg cZ\i a Ub XYj Y`cda Ybf'

- $\& " = XYbh_Zm_YmWcbWMdhg^k]h^b^i a Ub^XYj Y`cda Ybh^UbX^kck^h^Ym^Udd`mhc^YXi WUh_JcbU^gYhh_Jb[g]$
- ' " 7 ca a i b]\WhY`gdY\\JU`]gh\_bck `YX[Y`k]h\]b`\i a Ub`XYj Y`cda YbhUbX`g\ck `\ck `]hfY`UhYg`hc YXi \Wh]cbU``qYhf]b[q
- ("; YbYfUhY`hYUWX]b[`ghfUhY[]Yg`VUgYX`cb`h\Ycf]Ygž'Wcbghfi Whgž'UbX`WcbWYdhg`]b`\i a UbXYj Y`cda Ybh

### HYUWX]b[ 'GhfUhY[]Yg'

F UhjcbU'Y. '5b'Uk UfYbYgg'cZXYj Y`cda YbHJ`'jggi Yg'UbX'W.U``Yb[Yg'fY`Yj Ubh'rc'mci b['dYcd`Y'k ci `X'gYYa Wfi WjU`'rc'h\Y'XYWjg]cb!a U\_jb['cZh\cgY'k cf\_]b['k]h\'rh\YgY'dYcd`Y"'H\]g'Wci fgY'YbUV`Yg'ghi XYbhg'hc VYWca Y'Uk UfY'cZXYj Y`cda YbHJ`'h\Ycf]Yg'UbX'Yj ]XYbW'']b'Wc[b]hjj Yž'gcWjUž'UbX'Ya chjcbU``Xca Ujbgž'UbX ghja i `UhYg'h\Ya 'rc'fYZYWficb'\ck 'XYj Y`cda YbHJ`'Wcbghfi Wg'UbX'dfcWygyg'jbZi YbW''ja dcfHJbh YXi WUhjcbU`'ci hWca Yg"'H\]g'k]``\Y`d'ghi XYbhg'VYWca Y'YZZYWfj Y'dfUWfjhjcbYfg'k]h\]b'gW\cc`g'Ug'k Y``'Ug k jh\]b'h\Y'WcbhYl hcZh\Y'ZJa ]`mUbX'Wca a i b]hm''H\Y'Wci fgY'fYZYWg'U'j ]Yk 'h\UhUb'i bXYfghJbX]b['cZ XYj Y`cda YbhJ`'dfcWyggYg'cZZYfg'[i ]XY`]bYg'Zcf'YZYWfj Y'YXi WUhjcbU`'dfUWfjW'"

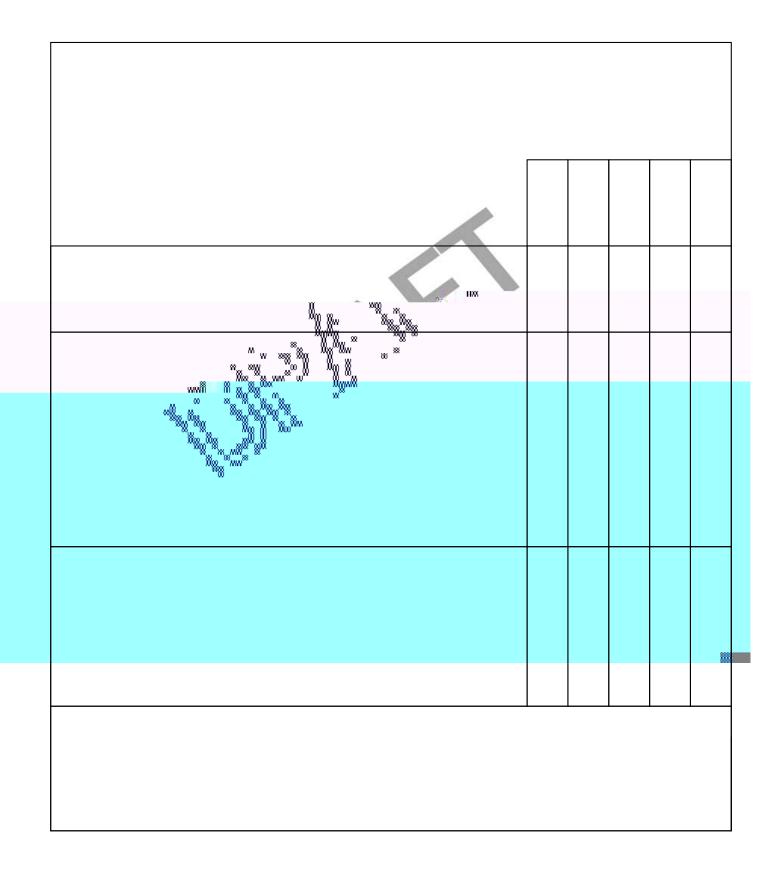
HYUWX]b[ 'ghfUhY[]Yg. '\pigYa]bUfgzghi XYbhg`k]```VY`dfYgYbhYX`k]h\`]bZcfa Uh]cb`UVci ha Uʻcf`h\Ycf]YgʻcZ XYj Y`cda Ybh#XYj Y`cda YbhU`hcd]WgʻzfYgYUfW\zัUbX`]a d`]WUh]cbgʻZcf``YUfb]b[ 'hc'[i]XY`UbX`]bZcfa 'h\Y]f dYXU[c[m''8]gWigg]cbg`UbX`dfUWf]WU```YUfb]b[ 'UWh]j ]h]Ygʻk]```d`Um'U`\_Ymfc`Y`]b`XYj Y`cd]b[ 'ghi XYbhgfi h\]b\_]b[ 'UVci h\ck 'XYj Y`cda YbhU`hcd]Wgʻa][\hVY`Udd`]YX`hc`YXi WUh]cbU``WcbhYI hg`Ugʻk Y```UgʻXf]j Ycdha U`qhi XYbh`YUfb]b[ 'ci hWca Yg"



## 5ggYgga Ybh

Hi fb]h]b gYhh]b[. "

Hi fb]h]b gYh]b[.fYdcfhg"	'H\]g'Ugg][ ba Ybh]g'g	yi Va]hhYX'h\fci[	∖`Hi fb]hjb`UbX`gh	XYbhgʻWUbʻgYYʻHi	fb]lf]b^g]a_]`Uf]lm



@YWhifYf

FYWca a YbXYX.

## I BGK 'G7<CC@'C: '98I 75H€B'FI 6F = 7 # 998657? 'G<99H'

98GH) ' \$\*

5ggYgga YbhHUg\_. ⇒b!WUgg hYgh

GdYW <b>]</b> ZJW7 f]HYf]U	···flŁ——	 	2fŽŁ
I bXYfghUbX'cZh\Y'ei Ygh]cb'cf']ggi Y'UbX'h\Y'_Ym'WcbWfdhg ]bj c`j YX			
8Ydh\cZUbUmg]g'UbX#cf'Wf]heiY']b'fYgdcbgY'hc'h\Y'hUg_			
: Ua ]`]Uf]hmk ]h\ `UbX`fY`Yj bWY`cZdfcZYgg]cbU``UbX#cf`fYgYUfVX `]hYfUhi fY`i gYX`hc`gi ddcfhfYgdcbgY			
GHTi Whi fY'UbX'cf[Ub]nUh]cb'cZ'fYgdcbaya'' **********************************			
DfYgYbHJhjcbcZfYgdcbgy www.fx]b[ihcuddfcdf]JhYiJwUXYa]WUbX `]b[i]ghjWwcbjYbhjobg			
; YbYfU`'Wcaa Ybhg#YWcaa YbXUhjcbg'Zcf'bYl h'hjaY.'			

@YWhi fYf

 $FYWcaaYbXYX. \qquad ```\#\&\$`f! @`DG`7F`8B`<8Ł' \\ kY][ \h]b[ `.`\&\$i$ 

"B6. h\]g'h\W\_g']b'h\Y'j Uf]ci g'Vcl Yg'UbX'XYg][ bYX'hc'dfcj ]XY'ZYYXVUW\_hc'gh XYbhg/h\YmUfY'bch[]j Yb Yei U`k Y][ \h]b'XYhYfa ]b]b[ 'h\Y'fYWca a YbXYX'[ fUXY"'8YdYbX]b[ 'cb'h\Y'bUhi fY'cZh\Y'UggYgga YbhHUg\_ž

# I BGK 'G7<CC@'C: '98I 75H€B'FI 6F = 7 # 998657? 'G<99H' 98GH)' \$\*

5ggYgga Ybh'HUg\_. '5bbcHJhYX'`Yggcb'd`Ubg

GdYWJZJW7f]HYf]U	"f]Ł	2f <b>Ž</b> Ł
I bXYfgHJbX'cZ'h\Y'ei Ygh]cb'cf']ggi Y'UbX'h\Y'_YmWcbWYdhg ]bj c`j YX		
<ul> <li>8Ya cbglfUhYgʻUʻWYUfʻi bXYfghUbX]b[ˈcZh\YˈWkcgYb XYj Y`cda Ybhhcd]Wg</li> </ul>		
8Ydh\cZUbUmg]g`UbX#cf`Wf]heiY`]b`fYgdcbgY`hc`h\Y`HUg_		
		8

@YWhifYf

FYWcaa YbXYX. ' ''#&\$'fl@'DG'7F'8B'<8E' k Y][\h]b['.'&\$i

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

 $Gh\ XYbhg\ 'UfY\ 'YI\ dYWhYX\ 'hc\ 'di\ hh\ Y]f\ 'bUa\ Yg\ 'UbX\ 'gh\ XYbhbi\ a\ VYfg\ 'cb\ 'Yj\ YfmdU[\ Y\ 'cZh\ Y]f\ 'Ugg][\ ba\ Ybhg\ ''$ 

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

 $\bullet \ \ \, \text{K cf\_'gi Va ]} \\ \text{lh} \\ \text{X '\%' hc '\% 'XUmg 'UZhYf' h\ Y 'gh]} \\ \text{di ``UhYX 'XYUX`]} \\ \text{bY } \\$ 

- i bXYfgfUbX mci f'f][\hg'UbX'fYgdcbg]V]`]hJYg'Ug'U'gh XYbhUhl BGK
- VY`Uk UfY`cZd`U[]Uf]ga ž`Wcdmf][\hz'l BGK `Gh XYbh7cXY`cZ7cbXi WhUbX`5VWWdhUV`Y`l gY`cZ I BGK `=\forall H`F Ygci f\W\g`Dc`]\m\m
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj ]ci f'Yl dYWYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wca a i b]hm
- `cWUHY 'gYfj ]WYg'UbX ']bZcfa UH]cb'UVci hI BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh\YgY'UfYUg'k]``VY'ZJa]`]Uf'hc'mci ž'ch\Yfg'k]``VY'bYk"'; U]b]b['U'gc`]X'i bXYfgHJbX]b['cZU``h\YfY`UhYX'UgdYWfg'cZ9@G9'k]``\Y`d'mci 'a U\_Y'h\Y'a cghicZmci f'ghi X]Yg'UhI BGK "f\hd.#gi VYWf[i]XYg"]VfUfm"i bgk "YXi "Ui #\`]gY#JVci hY`]gY

## 7ci fgY GWX YXi `Y

## J]Yk 'WUgg'ha YHUV'Y

## H]a YtUV`Y

8UhY	Hmd Y	7 cbhYbh
K YY_'%'&' '>  `m!'&- '>  `m	GYa ]bUf	&* `>i `m` =btfcXi Wt]cb'tc'Wci fgYžfYei ]fYa Ybtg'UbX ]btfcXi Wt]cb'tc' <ia dufti%<="" td="" ub'8yj="" y`cda="" ybt!!=""></ia>
K YY_'&.'' \$'>i`m!') 5i[igh	GYa ]bUf	& 5i [igh ≒bhcXiWn]cb hc <iaub 8yjy`cdaybh!<br="">DUfh&amp; UbX FYgYUfW ]b <iaub 8yjy`cdaybh<="" td=""></iaub></iaub>
K YY_" . * 5i [i gh! % 5i [i gh	GYa ]bUf	- '5i [i gh'7c[b]ħj Y'8Yj Y`cda Ybh! 'DUfh%
K YY_'(.'% '5i[igh!'% 5i[igh	C b`]bY 5 W]j ]hm	%* '5i [i gh '7 c[b]hj Y '8 Yj Y 'cda Ybh! 'DUfh'& %+ '5i [i gh 'F YZYWhcb 'Xi Y 'Uh') 'da
K YY_').'&\$'5i[igh!'&* 5i[igh	GYa ]bUf	&' '5i [i gh'8Yj Y`cda YbhcZh\Y'GY`Z!'DUfh%
K YY_'*.'&+'5i[igh!'& GYdhYa VYf	GYa ]bUf	'\$`5i [i gh`8Yj Y`cda YbhcZh\Y`GY`Z!`DUfh&
K YY_'+." 'GYdhYa VYf'!'- GYdhYa VYf	GYa ]bUf	* 'GYdhYa VYf. 'GcWJU` '8Yj Y`cda Ybh' ! 'DUfh'%
K YY_', .'%\$'GYdhYa VYf'! %*'GYdhYa VYf	GYa ]bUf	% 'GYdhYa VYf.'GcWJU`'8Yj Y`cda Ybh'!'DUfh'&
K YY_''%+'GYdhYa VYf'! &' 'GYdhYa VYf	GYa ]bUf	&\$'GYdhYa VYf.'GcWjU`'8Yj Y`cda Ybh!'DUfh'
6fYU'&( 'GYdhYa VYf'! ' \$'GYdhYa VYf		
K YY_'%\$.'%'CWvcVYf'!'+ CWvcVYf	C b`]bY 5 W]j ]hm	( 'C WhcVYf.'D\mg]WU`8Yj Y`cda Ybh
K YY_'%%', 'C WrcVYf'!'%( C WrcVYf	GYa ]bUf	%%CWhcVYf.7cifgYFYj]g]cb'UbXKfUd!Id
K YY_'%&.'%)'CWncVYf'! &%CWncVYf	5ggYgga Ybh	% 'CWhcVYf.' =b!WUgg'K f]hhYb'HYgh
K YY_'%'.'&&'CWncVYf'! &,'CWncVYf	5ggYgga Ybh	&* 'C WhcVYf. '5bbchUhYX'@Yggcb'D`Ubg'Xi Y'Uh') 'da

## Fygci fWyg

DfYgWf]VYX F Ygci fWYg

F YUX]b[ g'k ]``'VY'Uj U]`UV`Y'j ]U'A ccX`Y

FYWca a YbXYX FYgci fWYg

F YUX]b[ g'k ]``'VY'Uj U]`UV`Y'j ]U'A ccX`Y

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

 $H\Y`a\ U]b`k\ Umg`]b`k\ \]W\&`h\Y`Wci\ fgY`\Ug`W\&Ub[\ YX`g]bW\&``Ughh]a\ Y`Ug`U`fYgi\ `hcZgh\ XYbhZYYXVUW\underline{}.$ 

 $A\ cfY`[\ fci\ d`VUgYX`UW']j\ ]h]Yg\check{z}X]gW'gg]cbg\check{z}`UbX`W]dg`]b`hc`Z\ ffh\ Yf`XYj\ Y`cd`ghi\ XYbhg'`i\ bXYfghUbX]b[\ `cZ']$