

# **EDST5120**

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GYa YghYf'CbY''##'&\$%

# 7ci fgY Cj Yfj ]Yk

## GHJZZ7cbHJWh8YHJ]`g`

#### '7cbj Ybcfg'

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#i]gYI dYWYX ih UhiUbmghi XYbhiYbfc``YX`]b`Ub`98GH`Wci fgY`k ]h\ ih\Y`GW\cc``cZ9Xi WUhjcb`k ]```a U\_Y`U Wca a ]ha Ybhhc ih\Y]f``YUfb]b[ `UbX`UhiYbX`U```WUggYg`]b`Z ```k\YfY`WcbhYbh]g`XY`]j YfYX`]b`U`ZJ\W!hc!ZJ\W a cXY`YI WYdh]b`\WfhU]b`\WfW a ghUb\Wg`k\YfY`UVgYb\W']g`Xi Y`hc`]``bYggža ]gUXj Ybhi fY`cf`i bZcfYgYYb WjfW a ghUb\Wg`VYmcbX`h\Y`ghi XYbhg`\Wcblfc`"``5`a ]b]a i a `UhhYbXUb\W`fYei ]fYa YbhcZ, \$i `]g`fYei ]fYX`Zcf YU\X`\Wci fgY"``±o`\WfhJ]b`\WjfW a ghUb\WgžU`ghi XYbha Uma ]gg`i d`hc`&\$i `cZU`\Wci fgY`k ]h\ci hZcfa U`

7ci fgY 8YHJ] g

7 fYX]h'Dc]bhg'\*

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* "" "(	a d`Ya YbhdfcZYgg]cbU``X]U`c[i Y`k ]h\]b`h\Y`gW\cc``cf`dfcZYgg]cbU```YUfb]b[ 'bYhk cf_fgk h\Uh]g`]bZcfa YX`VmZYYXVUW_ž'UbU`mg]g`cZWiffYbhfYgYUfW\`UbX`dfUWfJWY`hc`]a dfcj Y`h\YYXI WUh]cbU``ci hWca Yg`cZghi XYbhg"

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5gg][ ba Ybh& 8Yg][ b U ei U`]hJh]j Y fYgYUfW dfcdcgU`

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# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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IBGK [fcidg'd'U[]Uf]ga ]bhc'h\Y'Zc``ck]b[ WUhY[cf]Yg.

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'hc'h\Y'cf][]bU`hYl h'cf']XYU'k ]h\ci h'UW\_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci h'WfYX]h'

#JUddfcdf]UhY`dUfUd\fUg]b[.'W\Ub[]b['U'ZYk'k cfXg'UbX'd\fUgYg'k\]'Y`a cghmfYhU]b]b['h\Y`cf][]bU`ghi Whi fY`UbX']bZcfa Uh]cb`k]h\ci h'UW\_bck `YX[Ya Ybh''H\]g'U`gc'Udd`]Yg']b'dfYgYbhUh]cbg'k\YfY`gca YcbYdUfUd\fUgYg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]h''#iU`gc'Udd`]Yg'hc'd]YW]b['hc[Yh\Yf'ei chYg'UbXdUfUd\fUgYg']bhc'U'bYk'k\c`Yž'k]h\ci h'fYZYfYbW]b['UbX'U'ghi XYbhg'ck b'UbU`mg]g'hc'Vf]b['h\Y'a UhYf]U`hc[Yh\Yf'

7 c``i g]cb. 'k cf\_]b[ 'k ]h\ 'ch\Yfg'Vi h'dUgg]b[ 'cZZh\Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'Ubch\Yf'ghi XYbhVYZcfY'h\Y'Xi Y'XUhYžcf'Zcf'h\Y'di fdcgY'cZh\Ya d`U[ ]Uf]g]b[ 'Uh'Ubmh]a Yž'dUm]b[ 'Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_ž'ghYU`]b[ 'cf'UWei ]f]b[ Ubch\Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hz'cZYf]b[ 'hc'Wca d`YhY'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d`Yh]b[ 'UWUXYa ]Wk cf\_"

±bUddfcdf]UhY`W]hUh]cb.`7]h]b[ˈgci fW/gˈk \]WX`\Uj Y`bchVYYb`fYUXžk]h\ci hUW\_bck`YX[]b[ˈh\Y`″gYWcbXUfm″gci fW/Zfca k \]WX`\_bck`YX[Y`cZh\Ya`\Ug'VYYb`cVhU]bYX"

8 i d`]\WUh]cb`ff`gY`Zld`U[]\Uf]ga "Ł`gi Va]\h]b[`mci f`ck b`k cf\_ž]b`k \c`Y`cf`]b`dUfhžk \YfY`]h`\Ug`dfYj]ci g`m VYYb`dfYdUfYX`cf`gi Va]\hYX`Zcf`Ubch\Yf`UqqYqqa Ybhcf\Wci fgY`UhI BGK `cf`Ubch\Yf`i b]\Yfq]\m"

7 cffYWhfYZYfYbWb[ dfUWhWyg.

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   VY'Uk UfY'cZd`U[ ]Uf]ga ž'Wcdmf][ \hž'I BGK 'Ghi XYbh'7cXY'cZ7cbXi Wh'UbX'5WWYdhJV`Y'I gY'cZ I BGK '= H'F Ygci fWfg'Dc`]Wm

# 7ci fgY GWX YXi `Y

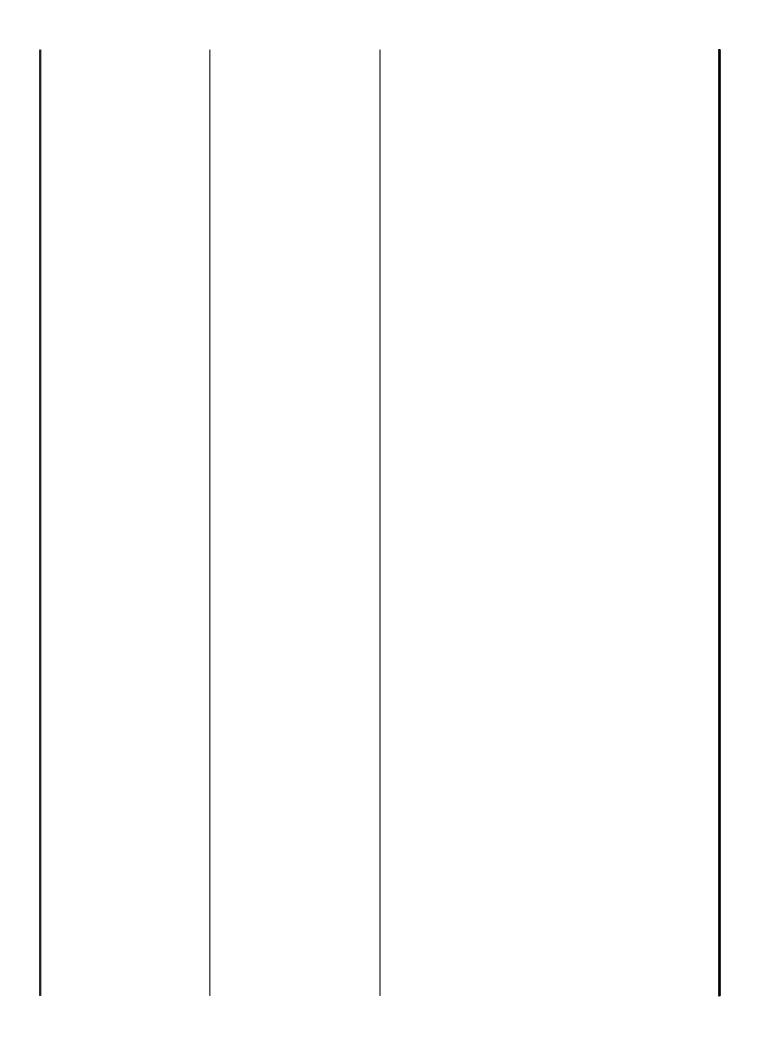
# J]Yk 'WUgg'h]a YhUV'Y

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? cfc!@^ b[ VYf[ ž'A "`f&$%* Ł"`8 UhU`k Ubhg`UbX`XUhU
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	K ]`gcbž:5"`@'`f&\$\$- Ł''`@YUft UbU`mg]g`UbX`f\Y`ghi Xm'UbX YXi WUh]cb"`E fgV[We [` 5a` f %1%&"	(idfUWnJVWicZUXi ih
	A UWI fYžA "'UbX'GHcbUW\z Vcl Yg.'5'dcgHa cXYfb'dYf lfUbgZcfa UHcb'cZdYfgcbg'	gdYWnjjY'cb'h\Y

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# FYgci fW/g

## DfYgWf]VYX F Ygci fWYg

 $H9LH6CC?. `CHcc`Yž'>"`UbX`6YW\underline{Y}Hz''8"`f&$\% E"`9Xi WUh]cbU``fYgYUfWX. `7fYUh]j Y`h\]b_]b[``UbXXc]b[``fgYWcbX`YX]h]cbE"`A Y`Vci fbY. `ClZcfX`lb]j Yfg]hmDfYgg"`$ 

## FYWca a YbXYX FYgci fW/g

>ci fbu` Ufh]WYg UfY`]ghYX gYgg]cb!VmgYgg]cb UVcj YžUbX UfY U`` Uj U]`UV`Y cb h\Y Wci fgY A ccX`Y g]hY" Mci Xcb hbYYX hc fYUX Yj YfmUfh]WY Zcf YUWX gYgg]cb = fYU`]gY h\YfY UfY U``chcZfYUX]b[g``]ghYX° ±bghYUXžh\YmUfY cfXYfYXžZcf YUWX gYgg]cbž]b a mgi [[YghYX cfXYf cZ\ck ]a dcfhUbh# gYZl` h\YmUfY" Gc ]Zmci cb`m \Uj Y h]a Y hc fYUX U ZYk UXX]h]cbU` Ufh]WYgžfYUX h\Y Z]fghcbY Zcf YUWX gYgg]cbžcf ]Zmci \Uj Y U V]ha cfY h]a YžfYUX h\Y Z]fghrk c Zcf YUWX gYgg]cbžUbX gc cb" 6i ha U\_Y gi fY mci ``cc\_ Uhh\Y hYI h\Cc\_ WX UdhYf Zcf YUWX gYgg]cb Z]fghr k Y k]`` VUgY ci f

H\YfY`k]``VY`Ub`cddcfhi b]hm]b`Yj YfmgYgg]cb`hc`X]gW gg`]XYUg`UbX`dfcj ]XY`ZYYXVUW\_"`K Y`k]```U`gc`Xca ]bi hY`dUdYfg`UbX`ch\Yf`Zcfa Uh]j Y`ZYYXVUW\_YI YfW]gYg`]b`WUgg"

GiaaUhjj Y'ZYYXVUW\_'k]```VY'[Uh\YfYX'VmA m9IdYf]YbWY'gifj Ymg"'

•

#b 'fYgdcbgY' hc 'Zcfa Uhlj Y' UbX'gi a a Uhlj Y' ZYYXVUW\_ cj Yf'j Uf]ci g'mYUfgžh\]g'Wci fgY'\Ug'Yj c`j YX'UbX WXUb[YX'hc'UWWca a cXUhY'gh XYbhgfibYYXg'UbX']bhYfYghg"' #b 'dUfh]W\`Ufžh\Y'Wci fgY'bck '[cYg']bhc'a cfY XYdh\ 'fUbX'WcbhU]bg'a cfY'fYj ]g]cb 'UbX'a cfY'Yl d`]Wh`YUfb]b[ "E'cZh\Y'hYfa ]bc`c[mi gYX']b'ei U`]hUh]j Y a Yh\cXg"' #iY'U`gc'UXXYX'a cfYžUbX'a cfY'fYWbhei U`]hUh]j Y'gh X]Yg'Zfca 'U'fUb[Y'cZYXi WUh]cbU``gYh]b[g"

: cf`ghi XYbhg`Zca `ci hg]XY`cZh\Y`X]gWjd`]bY`cZYXi WUhjcb.`d`YUgY`bchY`h\Uhih\]g`]g`U`Wci fgY`]b`ei U`]hUhjj Y fYgYUfW.`a Yh\cXg`[` WWgUSf[a` "'=h]g`Z]bY`Zcf`bcb`YXi WUhjcb`ghi XYbhg`hc`hU\_Y`h\]g`Wci fgYžVi h'd`YUgY`VY Uk UfY`h\Uhih\Y`WcbhYI hg`cZh\Y`fYgYUfW.`ghi X]Yg`k Y``cc\_`Uh'UfY`]b`YXi WUhjcbU``gYhjb[g"'

## ⇒a U[Y'7fYX]h

GmbYf[]Yg^]b^GcibX^&\$%\*

#### 7F = 7CG

7F = 7CG Dfc| ]XYf 7cXY. \$\$\$-,;