



# EDST5144

H\YcfYh\WU`8ca U]bg`]b`J ]gi U`5fhg`9Xi WWh]cb

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



GWXcc`cZ9Xi WWh]cb`#`I BGK ``5fhg`UbX`GcWU`G\YbW\g

7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUWhi8YHJ]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]]m	@cWWhcb	D\cbY
? UfYb`A UfUg	_"a UfUg4 i bgk "YXi "Ui	d`YUgY`Ya U]`Zcf`Ub Uddc]bha Ybh	%%*`; ccXgY`` 6i ]X]b[	- ' &, &) ( &

GW\cc``7cbhUWhi`bZcfa Uh]cb

GW\cc``cZ9Xi WWhcb

5fng`UbX`GcW]U`GWYbWg

@Yj Y`%Z>c\b`; ccXgY``6i ]X]b[ `fl &\$£

H.



ghfi Wñ fYX'fYgYUfW\ 'UWñj ]ñYg'UbX' ]bX]j ]Xi U'fYZYWñcb'k \]W\ 'k ]''dfcj ]XY'gh XYbñg'k ]ñ'cddcfñ b]ñYg'ñc  
Yb[ U[ Y'XYYd'ñž'X]U'c[ ]Wñ'ñž'UbX'fYZYI ]j Y'ñik ]ñ'ñ.Y'ñcd]Wñ'UbX'ñ.Y]f'Udd']Wñ]cb"

5i ghfU`]Ub`DfcZYgg]cbU` ; fUXi UhY`HYUW ]b[ `GHUbXUfXg

GHUbXUfX	8YgW]dh]cb
%"&"	9I dUbX`i bXYfghUbX]b[ `cZ\ck`ghi XYb]g`YUfb`i g]b[ `fYgYUfW`UbX`k cf_d`UW` _bck`YX[ `Y`"
%) "&	8Yj Y`cd`hYUW ]b[ `UW]j ]h]Yg`h`Uh]bW`fdcfU`X]ZYfYbh]U`X`ghfU`[ ]Yg`h`a`YYh`h`Y` gdYW]Z`W`YUfb]b[ `bYYXg`cZgh`XYb]g`UW`cgg`h`Y`Z` ``fUb[ `Y`cZUV`]h]Yg`"
&%"	Gi ddcfhW` ``YU[ i Yg`i g]b[ `W`ffYbhUbX`W`a`dfY`Ybg]j`Y`_bck`YX[ `Y`cZW`b`h`bhUbX` hYUW ]b[ `ghfU`[ ]Yg`h`XYj Y`cd`UbX`]a`d`Ya`YbhYb[ U[ ]b[ ``YUfb]b[ `UbX`hYUW ]b[ dfc[ fUa`g`"
&"&"	9I \]V]h]bbcj`Uh]j`Y`dfUW]W` ]b`h`Y`gY`YW]cb`UbX`cf[ Ub]gUh]cb`cZW`b`h`bhUbX`XY`]j`YfmcZ` YUfb]b[ `UbX`hYUW ]b[ `dfc[ fUa`g`"
&" "	Gi ddcfhW` ``YU[ i Yg`h`d`Ub`UbX`]a`d`Ya`Ybh`YUfb]b[ `UbX`hYUW ]b[ `dfc[ fUa`g`i`g]b[ W`b`h`a`dcfUfm`_bck`YX[ `Y`UbX`i`bXYfghUbX]b[ `cZW`ff]W`i`a`Z`UggYgga`YbhUbX`fYdcfh]b[ fYei`]fYa`Yb]g`"
` "&"	K`cf`_`k`]h`W` ``YU[ i Yg`h`d`Ub`Z`Yj`U`i`UhY`UbX`a`cX]Zm`YUfb]b[ `UbX`hYUW ]b[ `dfc[ fUa`g`h`c` W`YU`h`dfcXi`W]j`Y`YUfb]b[ `Ybj`]fcb`a`Yb]g`h`UhYb[ U[ `Y`U` ``gh`XYb]g`"
` " " "	Gi ddcfhW` ``YU[ i Yg`h`gY`YWh`UbX`Udd`m`Y`ZY`W]j`Y`hYUW ]b[ `ghfU`[ ]Yg`h`XYj`Y`cd` _bck`YX[ `Y`Z`g`_]`g`Z`dfc`V`Ya` `gc`j` ]b[ `UbX`W]h]W` ``UbX`W`YU`h]j`Y`h`]b`_]b[

# 5ggYgga Ybh

5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	Gh XYbh@YUfb]b[ Ci Hwta Yg 5ggYggYX	5 #HG@DfcZYgg]cbU'; fUXi UHY HYUW]b[ 'GHUbXUfXg'5ggYggYX	8i Y 8UHY
HUg_%`	) \$i	%z&	&"%" z&"&" z&" ""	&( #\$, #& \$% \$-.) % 5A
HUg_&'fl #5@`	) \$i	%z&z	%"&" z%) "&z&"%" z&"&" z&" "" z "&" z "" ""	%- #/\$#& \$% \$) . \$\$ DA

D`YUgY`fYZf`hc`3gefD`[S` BdaXWee[a` S^E fS` VSdVe XadFWSUZWte`cb`hY`dfYj`]ci`g`dU[ Y

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`HUg\_%`

GhUfhXUHY. `&` #s+#&\$%``%&.\$\$`5A

8YHU]`g. `HUg\_%` "\$\$\$`k`cfXg`"9i`d`U]b`rk`c`h`YcfYh]WU`Xca`U]bg`UbX`h`Yf`]a`d`]W]h]cbg`Zcf`j`]gi`U`Uf`rg`d`YXU[`c`]`WU`d`fUW]W`"Gh`XYbhg`k`]`f`YW]j`Y`k`f]h`Yb`ZYXVUW`\_%`Vi`g]b`Ygg`XUmg`U`Z`Y`f`gi`Va`]gg]cb`"

5XX]h]cbU`XYHU]`g.

5ggYgga Ybh%`F`YgdcbgY`d`UdYf.`<`ck`Xc`rk`c`c`Z`h`Y`h`YcfYh]WU`Z`Ua`Yk`cf`\_`g`W`e`b`f`]`Vi`h`h`c`X`]Z`Y`f`Y`bh`i`b`X`Y`f`g`h`U`b`X`]b`[`g`z`a`Y`U`b`]b`[`U`b`X`j`U`i`Y`]b`U`f`r`B`

HUg\_

fU`E`G`Y`Y`W`h`k`c`c`Z`h`Y`h`YcfYh]WU`Xca`U]bg`c`Z`d`f`U`W]W`U`g`Yi`d`U]b`YX`]b`A`c`Xi`Y`g`5!:`"A`U`\_`Y`i`d`]W]h`h`c`k`W`e`b`W`d`h`g`U`b`X`f`Y`Z`f`Y`b`W`g`"b`\_`h`c`[`Y`h`Y`f`U`g`U`b`Y`rk`c`f`\_`c`Z`f`Y`U`h]cbg`U`b`X`a`Y`U`b`]b`[`g`k`]h`]b`Y`U`W`c`Z`h`Y`g`Y`Y`W`Y`X`Xca`U]bg`":`cf`Yi`Ua`d`Y`z`V`Y`rk`Y`Yb`h`Y`U`f`rk`c`f`\_`U`b`X`U`f`h]g`h`z`U`f`rk`c`f`\_`U`b`X`]a`]h`U`h]cb`c`Z`h`Y`k`c`f`X`z`U`f`rk`c`f`\_`U`b`X`]b`Zi`Y`b`W`c`Z`h`Y`g`d`]f`h`i`U`z`U`f`rk`c`f`\_`U`b`X`]b`g`h]h`h]cbg`z`U`f`rk`c`f`\_`U`b`X`]a`U[`]b`U`h]cb`z`U`f`h]g`h`U`b`X`]b`g`h]h`h]cb`Y`h`W`#`b`W`i`X`Y`Yi`d`]W]h`f`Y`Z`f`Y`b`W`h`c`g`]`f`Y`e`i`]f`Y`X`f`Y`U`X`]b`[`g`U`b`X`g`Y`Y`W`Y`X`f`Y`W`e`a`a`Y`b`X`Y`X`f`Y`U`X`]b`[`g`Z`f`ca`h`]g`W`e`i`f`g`Y`U`g`U`d`d`f`c`d`f`]U`h`"

fV`E`H

`c`Z`h`Y

8YHJ]g. 'HUg\_&'fi B5@k \$\$\$'k cfXg"8Yj Y'cd'U'GHU[ Y'(!) 'dfc[ fUa ]bZcfa YX'VmihY'hYcfYh]WU'  
Xca U]bgGh XYbthg'k ]'fYVW]j Y'k f]hYb'ZYXVUW\_ '%\$ Vi g]bYgg'XUmg'UZf'gi Va ]gg]cb"

5XX]h]cbU'XYHJ]g.

5ggYgga Ybh&. 'Dfc[ fUa 'dfcdcgU'. '5dd'm]b[ 'hYcfYh]WU'Xca U]bg'cZdfUW]W'hc'dfc[ fUa a ]b[ ]b'GHU[ Y'(/  
) 'J]gi U'5fng

HUg\_.

8Yj Y'cd'UbX'↑gh]ZmU'dfcdcgU'Zcf'U'dfc[ fUa 'hUhiVi ]Xg'cb'cbY'UbX'#f'hk c'cZ'hY'hYcfYh]WU'ZUa Yk cf\_g  
Ug'Ub'Yd]gh'a ]W'hc'gi ]hY'hc'ghi XYbthg'Vc[ b]h] Y'UV']h]Yg'UhdUfh]W'Uf'U[ Yg#g]U[ Yg'cZgV'cc']b[ 'fY[  
GHU[ Y'('hYb'GHU[ Y') E'G\ck '\ck 'mci 'k ]'UXUdhmci f'hYUW]b[ 'ghmY'UbX'X]ZYfYb]Uf'Vc'bh]bh]b'fY'U]cb  
hc'hY'hYcfYh]WU'Xca U]bg'Y'YWYX"

7cbg]XYf'hY'ja d]W]h]cbg'Zcf'Uf'ra U\_]b[ 'UbX'W]h]WU'UbX'\]ghcf]WU'gh X]Yg'UbX'a U\_Y'fYZYfYbW'hc'gdYW]Z]W  
Ufh]gh]g'UbX'hY]f'k cf\_g"

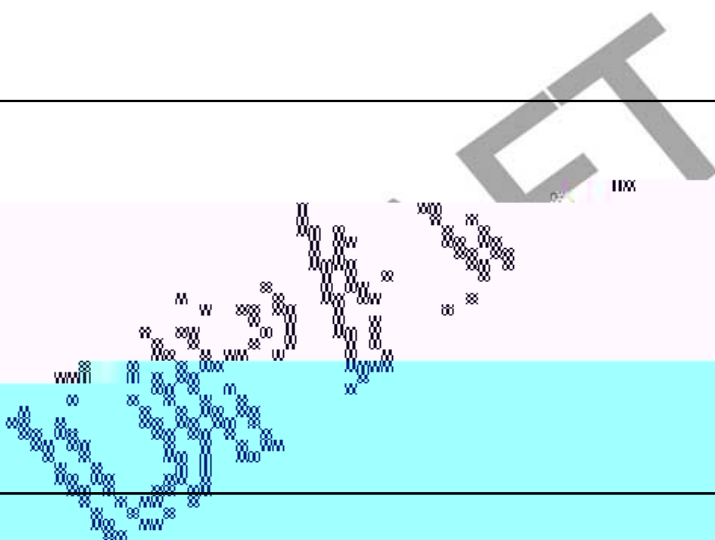
Mci 'a Umi gY'cbY'cZ'hY'hYcfYh]WU'Xca U]bg'Y'YWYX'Zca '5ggYgga Ybh%UbX'cbY'chYf'Zca 'A cXi 'Yg; !  
'hUhmci '\Uj Y'bchmYhUXXfYggYX"'BWi XY'fYZYfYbW]g'h'fci [ \ci hZca 'hY'Vci fgY'fYUX]b[ g'UbX'chYfg  
gi ]hY'hc'mci f'di fdcgYg'i g]b[ 'hY'5D5'ghmY"

: i f'hYf'XYHJ]g'cb'hY'Zcfa Uhk ]'VY'dfcj ]XYX']b'WUgg#cb'A ccX'Y"

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

98GH) % (

5ggYgga YbhHUg\_ 'HUg\_ %

GdYWZjW7 f]hYfJU	f1Ł ————— 2fŁŁ				
<p>I bXYfghUbX'cZħY'ei Ygh]cb'cf']ggi Y'UbX'ħY'_YmWŁbWdHg ]bj c'j YX</p> <ul style="list-style-type: none"><li>◦ i bXYfghUbX]b[ 'cZħY'ħUg_'UbX'WŁc]W'cZgY'YWYX ħYcfYh]WU'ZfUa Yk cf_g</li></ul>					
					



GdYWZjW7 f]hYf]U	f]k ————— 2fZk			
j cWUVi `Ufmi gYžgdY`]b[ ždi bWU Uh]cb`UbX`k cfX`Yb[ h				
; YbYfU`Wta a Ybhg#fYWta a YbXUh]cbg`Zcf`bYI h]ja Y.`				

@YWU fYf

F YWta a YbXYX.` #&\$`fi @DG`7F`8B`<8k`

k Y][ \h]b[ .`&\$i

`B6.`h]g`h]W\_g]b`hY`j Uf]ci g`Vcl Yg`UbX`XYg][ bYX`hc`dfcj ]XY`ZYXVUW`hc`ghi XYbhg/hYmUFY`bch[ ]j Yb  
 Yei U`k Y][ \h]b`XYhYfa ]b]b[ `hY`fYWta a YbXYX`[ fUXY`8YdYbX]b[ `cb`hY`bUhi fY`cZ`hY`UggYgga YbhUg\_ž  
 `YWU fYfg`a UmU`gc`WcbhYI h U`]nY`UbX`#cf`Ua YbX`hYgY`gdYWZjW7f]hYf]U`H\Y`fYWta a YbXYX`[ fUXY`]g  
 hYbhU]j Y`cb`mžgi Va`YWU`hc`ghU]bXUfX]gU]cb`dfcWYggYg`UbX`Uddfcj U`Vmi`hY`GVX`cc`cZ9Xi WU]cb  
 @YUfb]b[ `UbX`HYUW]b[ `7ca a ]hY"Y"



GdYWZjW7 f]hYf]U	f]k ————— 2fZk			
j cWUVi `Ufmi gYžgdY`]b[ ždi bWU Uh]cb`UbX`k cfX`Yb[ h				
; YbYfU`Wta a Ybhg#fYWta a YbXUh]cbg`Zcf`bYI h]ja Y.`				

@YWU fYf

F YWta a YbXYX.` #&\$`fi @DG`7F`8B`<8k`

k Y][ \h]b[ .`&\$i

`B6.`h]g`h]W\_g]b`hY`j Uf]ci g`Vcl Yg`UbX`XYg][ bYX`hc`dfcj ]XY`ZYXVUW`hc`ghi XYbhg/hYmUFY`bch[ ]j Yb  
 Yei U`k Y][ \h]b`XYhYfa ]b]b[ `hY`fYWta a YbXYX`[ fUXY`8YdYbX]b[ `cb`hY`bUhi fY`cZ`hY`UggYgga YbhUg\_ž  
 `YWU fYfg`a UmU`gc`WcbhYI h U`]nY`UbX`#cf`Ua YbX`hYgY`gdYWZjW7f]hYf]U`H\Y`fYWta a YbXYX`[ fUXY`]g  
 hYbhU]j Y`cb`mžgi Va`YWU`hc`gh]bXUfX]gUh]cb`dfcWYggYg`UbX`Uddfcj U`Vmi`hY`GVX`cc`cZ9Xi WUh]cb  
 @YUfb]b[ `UbX`HYUW]b[ `7ca a ]hY"Y"

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gh XYbhg`UfY`YI dYW`X`hc`di h`h`Y]f`bUa Yg`UbX`gh XYbhbi a VYfg`cb`Yj YfmdU[ Y`cZ`h`Y]f`Ugg][ ba Ybhg"

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

- K cf\_`gi Va ]hYX`%\$`hc`%-`XUmg`UZhYf`h\Y`gh]di``UhYX`XYUX`]bY



- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V] ]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Ww
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dYW'X'cZYj Yfmcby' ]b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj ]Wg'UbX' ]bZcfa Uh'cb'UVci hl 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 bXYfghUbx]b[ 'cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k ]`Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK "

[f\hd.#gi.VYWfi \]XYg" \]VfUfmi bkg "YXi "Ui #'\]gY#UVci h' \]gYt](#)





		<p>WcbWdh U`XYa UbX`UWfcgg`ghU[ Yg`cZ`YUfb]b[ `]b  J ]gi U`5fng"</p> <ul style="list-style-type: none"> <li>•K `Uh]g`fY`UhcbU`5Ygh`Yh]Wg</li> <li>•7 f]h]W`DfUW]W`UbX`fY`UhcbU`UYgh`Yh]Wg</li> <li>•F Y`UhcbU`dYXU[ c[ m</li> </ul>
K YY_ ; .`%\$`GYdhYa VYf! %*`GYdhYa VYf	C b`]bY`5W]j ]lm	; `f]E`H\Y`5fng`Ug`U`k`UmcZ`_bck ]b[ f]]E`H\Y`WcbW`dhcZ`UfhUg`U`dfUW]W`UbX`WcbW`dh U` _]bX`cZ`fYUgcb]b[ `UbX`dYXU[ c[ m]b`j ]gi U`Ufng
K YY_ - .`%+`GYdhYa VYf! &`GYdhYa VYf	C b`]bY`5W]j ]lm	< `f]E`H\Y`5fng`Ug`U`Zcfa`cZ`Wca`a`i`b]W]h]cb f]]E`7`cbW`dng`cZj ]gi U``]h`fUW]h`UfhUg`U`bcb! gdcbh]bYci`g`Ub[ i`U[ Y`h`UhbyYXg`hc`VY`k`f]h]b`UbX fYUX`UbX`dYXU[ c[ m]b`j ]gi U`Ufng

F Ygci fWg

DfYgW]VYX F Ygci fWg

5 fYUX]b[ g'UbX'fYgci fWg'k ] VY'dcghYX'cb'hY'A ccX'Y'g]h'Zcf'h]g'Wci fgY"

F YWca a YbXYX F Ygci fWg

5 fYUX]b[ g'UbX'fYgci fWg'k ] VY'dcghYX'cb'hY'A ccX'Y'g]h'Zcf'h]g'Wci fgY"

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

F Yj ]g]cbg'h]g'Wci fgY'UfY'a UXY'cb'hY'VUg]g'cZgh'XYbhg'ZYXVUW\_j ]U'Ya U]g'UbX'X]gW gg]cbg'Ug'k Y'Ug  
h'fci [ \ 'A m'9I dYfY]bW'ZYXVUW'cb'hY'Wci fgY" =\Uj Y'fYgdcbXYX'hc'ZYXVUW\_Z'ca'ghi'XYbhg']b'hY'dUgh'  
H\]g'ZYXVUW\_gi [ [ Yghg'hUh[ ]j Yb'hY'\][ \ 'Yj Y'g'cZfYUX]b[ 'a Uhf]U'UbX'hY'd\]gcd\]W'bUhi fY'cZhY  
a Uhf]U'g:]b'h]g'Wci fgY'hUh'hY]f'dfYZfbyW' ]g'hc'U'gY'ZX]fYW'X'k Umk ]h'ZcW'g'YW'i fYg:]b'k \]W'Wci fgY  
W'bh'bh]UbX'UddfcUW'Yg'Zcf'Wca d'Yh]b[ 'hY'UggYgga Ybhg'UfY'X]gW'ggYX'UbX'a cXY'YX" =b'h]g'gYa Ygh'f'  
' 'YW'i fYg'z%Uh'hY'VY[ ]bb]b[ z%Uh'U'a ]Xdc]bh]UbX'Ubch'Yf'df]cf'hc'hY'XYj Y`cda Ybh'cZ5ggYgga Ybh&'UfY  
gW'YXi 'YX"

=a U[ Y'7 fYX]h

H\]g:]a U[ Y'k Ug'hU\_Yb'Vm'hY'Wci fgY'Wcbj Ybcf"

7 F =CG

7 F =CG'Dfcj ]XYf'7 cXY.'\$\$\$- , ;