

EDST5114

±bj Ygh][Uh]b['=ggi Yg']b'7i ff]Wi `i a 'UbX'5ggYgga Ybh

GYa YghYf'C bY''##'&\$%

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GHJZZ7cbHJWh8YHJ]`g`

7cbj Ybcfg

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7 Ufc``HUmcf	YXi WUNjcb4 i bgk "YXi "Ui	H67	001	D`YUgY'i gY Ya U]`'Ug UVcj Y

GWkcc~7cbhJWh~abZcfa Uhlcb

GWXcc``cZ9Xi WUhjcb 5fhg`UbX`GcWjU``GWjYbWYg

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H. Ž*%f&Ł'-',) '%++

9. YXi WUhcb4 i bgk "YXi "Ui

K . YXi WUNcb"Ufhqi bak "YXi "Ui

5 hryb XUb WY F Yei] fYa Ybhg

5XX]h]cbU`GWXcc`cZ'9Xi WUh]cb'UhYbXUbWY'fYei]fYa Ybhg

#i]gYl dYWYX'h\UhUbmghi XYbhYbfc``YX']b'Ub'98GH'Wci fgY'k]h\'h\Y'GW\cc``cZ9Xi WUhjcb'k]``a U_Y'U Wca a]ha Ybhhc'h\Y]f``YUfb]b['UbX'UhYbX'U```WUggYg']b'Z ```k\YfY'WcbhYbh]g'XY`]j YfYX']b'U'ZJ\W!hc!ZJ\W'a cXY'Yl Wrdh]b'WfW]a ghUbWrg'k\YfY'UVgYbW']g'Xi Y'hc']``bYggža]gUXj Ybhi fY'cf'i bZcfYgYYb WfW a ghUbWrg'VYmcbX'h\Y'ghi XYbhg'Wcbhfc`"'5'a]b]a i a 'UhhYbXUbW'fYei]fYa YbhcZ, \$i ']g'fYei]fYX'Zcf YUW. 'Wci fgY''' \delta \windfallo WfWa a ghUbWrgžU'ghi XYbha Uma]gg'i d'hc'&\$i 'cZU'Wci fgY'k]h\ci h\Zcfa U` Udd`]\WUhjcb'UbX'i d'hc'' 'i 'cZU'Wci fgY'k]h\'Zcfa U``XcW a YbhUhjcb'fgYbhj]U'Ya Uj`'hc'Wci fgY'Wcbj Ybcfb dfcj]X]b['U``h\Y'fYei]fYa Ybhg'XYhU]'YX'VY`ck 'UfY'a Yh'''Ghi XYbhg'bcha YYhjb['h\Y'UhhYbXUbW'fYei]fYa Ybhg'ci h]bYX'UVcj Y'k]``VY'Uk UfXYX'Ub'I bgUhjgZJ\Wcfm: U]`fI : b'Zcf'h\UhWci fgY'fY[UfX`Ygg'cZh\Y]f'dYfZcfa UbW']b'h\Y'UgqYgga YbhhUg_q'cf'ch\Yf'fYei]fYa Ybhg'Zcf'h\Y'Wci fqY''

: cf'Z fh\Yf']bZcfa Uh]cb'cb'9Xi WUh]cb'Wci fgY'UhhYbXUbWY'fYei]fYa Ybhgž'd`YUgY'fYZYf'hc'h\Y'fYgdYWf]j Y 98GH'A ccX`Y'a cXi `YfgŁ"

5 WUXYa 1W = 1 Zcfa Uhlcb

5```gh XYbhg`a i gha U_Y`U`j U`]X`UhhYa dh'UhU```UggYgga Ybhg`]b`cfXYf`hc`dUgg`h\Y`Wti fgY"

: cf`YggYbh]U``ghi XYbh`]bZcfa Uh]cb`fY`Uh]b['hc.`fYei Yghg`Zcf`Yl hYbg]cb/fYj]Yk 'cZa Uf_g/cWW dUh]cbU``\YU`h\
UbX`gUZYhm'Yl Ua]bUh]cb`dfcWYXi fYg/gdYW]U``Wcbg]XYfUh]cb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a]gUXj Ybhi fY/
ghi XYbhYei]hmUbX`X]gUV]`]hm/UbX`ch\Yf`YggYbh]U``UWUXYa]W]bZcfa Uh]cbž
aYY`\hdg.#k k k "Ufhg"i bak "YXi "Ui #W ffYbhqhi XYbhq#UWUXYa]W]bZcfa Uh]cb#dfchcWc`a![i]XY`]bYq#

7 ci fgY 8 YHJ]`g 7 fYX]hDc]bhg ** Gi a a UfmcZh\Y 7 ci fgY

⇒hh]g Wti fgYžm

5i ghfu`]Ub DfcZYgg]cbU`; fUXi UhY HYUWX]b[GhUbXUfXg

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%"&"(@YUX`dfcWfggYg`hc`Yj U`i UhY`h\Y`YZZYWNj YbYgg`cZhYUW\]b[`dfc[fUa g`i g]b[`fYgYUfW\`UbXkcf_d`UWF`_bck`YX[Y`UVci h'\ck 'gh XYbhg``YUfb	
%") ""	9j U`i UHY``YUfb]b[`UbX`HYUW\]b[`dfc[fUa gži g]b[`gh XYbhUggYgga YbhXUHUžH\Uh'UfY X]ZZYfYbhJUHYX`Zcf`H\Y`gdYVJZJW`YUfb]b[`bYYXg`cZgh XYbhg`UWfcgg`H\Y`Z ```fUb[Y`cZ UV]`]hJYg"	
*"&"&	DUffijWjdUhY`]b``YUfb]b[`hc`i dXUhY`_bck`YX[Y`UbX`dfUWfjWYžhUf[YhYX`hc`dfcZYgg]cbU`bYYXg`UbX`gWkcc``UbX#cf`gmghYa`df]cf]hjYg"	
***************************************	#D]HJUHY 'UbX'Yb[U[Y']b'dfcZYgg]cbU``X]gW gg]cbg'k]h\ 'Wc``YU[i Yg']b'U'fUb[Y'cZZcfi a g'hc Yj U`i UHY'dfUWHW'X]fYWHYX'Uh]a dfcj]b['dfcZYgg]cbU`'_bck`YX[Y'UbX'dfUWH]WYž'UbX'h\Y YXi WUH]cbU``ci HWca Yg'cZghi XYbhg"	

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FYZYW¶cb'dUdYf'	(\$1	%₹	%"&"(ž%") "' ž* "&"&ž* "' "'	&' #\$' #& \$% \$) .\$\$ DA
5bU`mj\W\`dUdYf UbX`dfYgYbHJhjcb`	*\$1	%3&2	%"&"(ž%") "' ž* "&"&ž* "' "'	\$+#\$&#& \$% \$).\$\$ DA</td></tr></tbody></table>

D'YUgY fYZYf hc 3gefcS/[S` BdaXWee[a`S^EfS` VSdVe XadFWSUZWde cb h\Y dfYj]ci g'dU[Y

5ggYgga Ybh8YhJ]`g

5ggYgga Ybh% FYZYWNjcb dUdYf

GhUfhXUhY. Bch5dd`]WUV`Y

8 YHJ]`g. `HUg_`%'! `K f]HhYb`fYZYWh]cb`cb`HYUW\]b[`YIdYf]YbWY`]b`WcbHYa dcfUfm`YXi WUh]cb`WcbHYI hg"`@Yb[h\. &\$\$\$`k cfXgE i U`]HUh]j Y`UbX`ei Ubh]HUh]j Y`ZYYXVUW_`k]h\]b`%\$`XUmg`cZgi Va]gg]cb"

Hi fb]hjb'gYhjb[.'H\]g'Ugg][ba Ybh]g'gi Va]hhYX'h\fci [\'Hi fb]hjb'UbX'gh XYbhg'Xc'bchgYY'Hi fb]hjb g]a]'Uf]hmfYdcfhg"

5ggYgga Ybh& 5bU`mh]WU`dUdYf UbX dfYgYbhUh]cb

GhUfhXUhY. Bch5dd`]WUV`Y

8 YHU]`g. `HUg_`&'! `K f]HYb`UbU`mg]g`UbX`dfYgYbHUh]cb`cZU`g][b]Z]WUbh`]ggi Y`fY`UhYX`hc`W ff]W`i a žUbX#cf UggYgga Ybhž'UbX#cf`fYdcfh]b['h\Uh]g`cZ]bhYfYghhc`mci @Yb[h\.`(\$\$\$`k cfXg`fk f]HYb`dUdYfl:H]a Y.`) `a]bi hYg fdfYgYbHUh]cb!E i U`]hUh]j Y`UbX`ei Ubh]hUh]j Y`ZYYXVUW_k]h\]b '%\$`XUmg`cZgi Va]gg]cb"

Hi fb]h]b gYh]b[. `H\]g Ugg][ba Ybh]g gi Va]hhYX h\fci [\`Hi fb]h]b UbX gh XYbhg Xc bchgYY Hi fb]h]b g]a]`Uf]hmfYdcfhg"

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

 $Gh\ XYbhg\ UfY\ YI\ dYWMYX\ hc\ di\ hih\ Y]f\ bUa\ Yg\ UbX\ gh\ XYbhbi\ a\ VYfg\ cb\ Yj\ YfmdU[\ Y\ cZh\ Y]f\ Ugg][\ ba\ Ybhg\ bug\ Ybhg\ bug\ Yhhg\ Yhhg\ bug\ Yhhg\ Yhhg\ bug\ Yhhg\ bug\ Yhhg\ bug\ Yhhg\ bug\ Yhhg\ bug\ Yhhg\ Yhhg\ bug\ Yhhg\ Yhhg\ bug\ Yhhg\ Yhhg\$

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

Zmci 'YbWci bhYf'U'dfcV'Ya 'k \Yb'UhhYa dh]b['hc'gi Va]hmci f'Ugg][ba Ybhh\fci [\'Hi fb]h]bžd'YUgY hY'Yd\cbY'9| hYfbU''Gi ddcfhcb'-',)'''' %cf'Ya U]''h\Ya 'cb'<u>Yl hYfbU'hY`hgi ddcfh4 i bgk "YXi "Ui</u>"'Gi ddcfh ł `G][b]Z]\WbhmUZZY\Wimci f`dYfZcfa Ub\Wr`]b`UggYggUV`Y`k cf_ž`VY`]h'U`Zcfa U``YbX!cZgYa YghYf`Yl Ua]bUh]cbž`U`\WUgg`hYghž`U``UVcfUhcfmihYghž`U`gYa]bUf`dfYgYbhUh]cb`cf`Ubmch\Yf`Zcfa 'cZUggYgga Ybh'

5 WUXYa]W<cbYghmUbX D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b['h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b['h\Ya `Ug`mci f`ck b"'=hWJb'hU_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b['hc`UWW]XYbhU`mWcdm]b['Zfca `U`gci fWY'k]h\ci hUW_bck `YX[Ya Ybh'

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'dfc YWhgž'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"

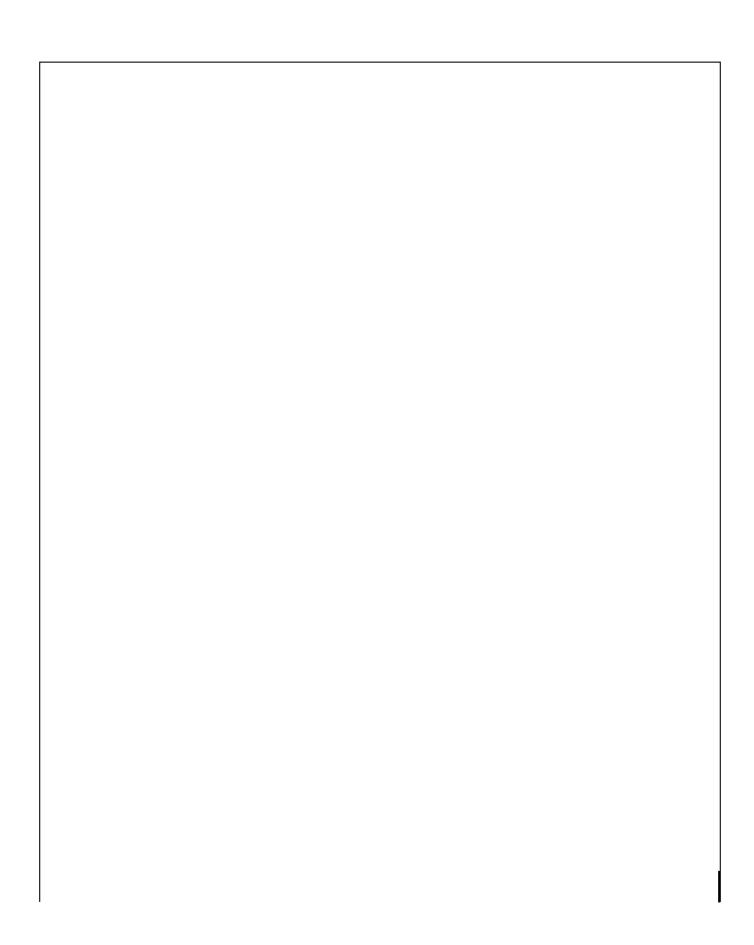
8 i d`]\WUh]cb`ff`gY`Zld`U[]\Uf]ga "Ł`gi Va]\h]b[`mci f`ck b`k cf_ž]b`k \c`Y`cf`]b`dUfhžk \YfY`]h`\Ug`dfYj]ci g`m VYYb`dfYdUfYX`cf`gi Va]\hYX`Zcf`Ubch\Yf`UqqYqqa Ybhcf\Wci fgY`UhI_BGK_`cf`Ubch\Yf`i b]\Yfq]\m"

7 cffYWhfYZYfYbWb[dfUWhWyg.

• Dufud\fug]b[žgi a a Uf]g]b[žYggUmk f]h]b["UbX"h]a Y a UbU[Ya Ybh

•

- VYMYfa UbU[Ymcifh]a Y
- i bXYfgHJbX'mci f'f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'ghi XYbh'Uhi BGK
 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



Fygci fWyg

DfYgWf]VYX`F Ygci fWYg`

D`YUgY`gYY`A ccX`Y

FYWca a YbXYX FYgci fWyg

D`YUgY`gYY`A ccX`Y

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