

EDST6707

; Yfa Ub'A Yh\cX'%

HYfa %Z&\$&&



7 ci fgY`Cj Yfj]Yk

GHJZ`7 cbHJW`8YHU]`g

7 cbj Yfbcffg

5W_bck`YX[Ya YbhcZ7ci 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`UbXY`f`dYcd`Ygž`hY` :]fgh5i`g`fU`]Ubgž`k`c`gY`UbXgž`
k`]bXg`UbX`k`U`fYg`k`Y`U`bck`g`U`fYž`UbX`dUm`fYgdYWhi`hc`hY`]f`i`b`j`e`i`Y`j`U`i`Ygž`UbX`hY`]f`W`b`h`i`b`i`]b[`UbX`
YbXi`f]b[`W`h`fYg`k`\\]W`XYYdYb`UbX`Yb`f]W`hY`Z`c`Zci`f`b`U`h`c`b`UbX`W`a`a`i`b`]h`Yg`"

9I d'jWfhYUWX]b[ž]bWl X]b['YVWl fYgž'hc'XYa cbghfUHY'Ub'i bXYfghUbx]b['cZghl XYbhf3'X]ZZYfYbh
UddfcUWXYg'hc'YUfb]b['UbX'hY'i gY'cZU'fUb[Y'cZHYUWX]b['ghfUHY[]Yg'hc'ZcghYf']bHYfYghUbx'gi ddcfh
'YUfb]b[

Ga U'''[fci d'VcYfUHYj Y''YUfb]b['hc'i bXYfghUbx'hY'ja dcfUbwV'cZHYUa k cf_]b'Ub'YXi WU]cbU'Vc'bhYl h
UbX'hc'XYa cbghfUHY'hY'i gY'cZ[fci d'ghf'VWl fYg'Ug'Uddfcdf]UHY'hc'UXXfYgg'hYUWX]b['UbX'YUfb]b['[cU'g

Ghfi Vh'fYX'cWU]g]cbg'Zcf'fYZYW]cb'cb''YUfb]b['hc'U'ck'ghl XYbhf'hc'fYZYW]h]WU'mcb'UbX'ja dfcj Y
hYUWX]b['dfUW]VW

9I h'bg]j Y'cddcfh b]hYg'Zcf'k'lc'Y'[fci d'UbX'ga U'''[fci d'X]U'c[i Y'UbX'X]gW'gg]cbž'U'ck]b['ghl XYbhf'hY
cddcfh b]h'hc'XYa cbghfUHY'hY'f'WUdUW]h'hc'Vc'a a i b]WUHY'UbX''U]gY'k]h'hY'X]j YfgY'a Ya VYfg'cZUb
YXi WU]cb'Vc'a a i b]h'z'UbX'hc'XYa cbghfUHY'hY'f'_bck'YX[Y'UbX'i bXYfghUbx]b['cZa Y'h'cX'Vc'bhY'bh'

C b'j]bY''YUfb]b['Zca'fYUX]b[g'cb'hY'6'UW'VcUfX'k YVg]hY

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

DYYf'hYUWX]b[]b'U'g]a i 'UHYX'WUggfcca'gYh]b[

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

5ggYgga Ybh

DfYdUfY`Ub`ci h]bY`Zcf`U`i b]hcZk cf_`Zcf`U`GhU[Y`)'`WUgg"``H\Y`i b]hcZk cf_`g\ci `X`Wtj Yf`h\Y`ZfghZj Y

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F I 6F ⇨ # 998657? 'G<99H
98GH* +\$+; 9FA 5B 'A 9H<C8 '%
I BGK 'G7<CC@'C: '98I 75H€B

5ggYgga YbhHUg_ '&' l b]hcZk cf_ 'ci h]bY

GdYWZ]W7 f]hYfJU	1fŁ ————— 2fŁŁ				
I bXYfghUbX]b['cZhY'ei Ygh]cb'cf']ggi Y'UbX'h\Y'_YmWŁbWdŁg]bj c'j YX					

GdYWZjW7 f]hYf]U	11fł ————— 2fłł				
GfFi Wfi fY'UbX'cf[Ub]gUh]cb'cZfYgdcbgY <ul style="list-style-type: none"> • DfYgYbhg'U'XYfU]YX'UbX'cf[Ub]gYX'fYgdcbgY 					
DfYgYbhUh]cb'cZfYgdcbgY'UWw'fX]b['hc'Uddfcd]UH'UWUXYa]WUbX `]b[i]gh]Ww'bj Ybh]cbg <ul style="list-style-type: none"> • 8Ya cbgfUH'g'U'\][\XY[fYY'cZZi YbWni]b'9b[']g\ • 5hf]Vi h'g'gci fW'g'cZ]bZcfa Uh]cb'Uddfcd]UH'm 					
; YbYfU'Wca a Ybh]fYWca a YbXUh]cbg'Zcf'bYI hh]a Y.'					

F YWca a YbXYX.

#&\$'fl @'DG'7F'8B'<8ł

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y: `]ddYX`7`Uggfccca

[\hd.#k k k "hUWXfghUbXUfXg"U\]hg"YXi "Ui #i ghU\]cbg# \]Yk € D#€D\\$\\$%+' #bXYI "\ha`](#)

F YUX]b[g

F YUX]b[g

<Uhtjž>"f&\$%&Ł"GzłS]V >VRc_Z_X Wc`VRTYVcd, ? Ri Z^ ZkZ_X ;^ aRTe` _ >VRc_Z_X"@cbXcbž9b[`UbX.
F ci hYX[Y"

<]b_Y`9"f&\$\$, Ł": R_US` ` \ `WdVdVRcTY Z_dVT`_U]R_XfRXV dVRTYZ_X R_U]VRc_Z_Xž@cbXcb`-3gRZ]RS]V
Re>VgV] († ? RZ_>SdRg /&#!#%!/fffi

@]XX]WcUž5" ">ž/`GWf]bcž5"f&\$% Ł" bHfW`h fU`@Ub[i U[Y`HYUW]b[`UbX`@YUfb]b["">c\b`K]Ym/`Gcbg"

A Ufh]bž? "f&\$\$, Ł" H\Y`]bhfgYW]cb`cZ5Vcf][]bU`_bck`YX[Ygž5Vcf][]bU`"]HfUW]Yg`UbX`bYk`"YUfb]b[
dYXU[c[mZcf5Vc%b]bU`gh`XYb%b" b`<YU`mž5`fD`X"Ł? %ZVd%Z/d R_U UZgVcdž Z`VUF TRƏ_, @Vh`%o
aVURX`XZ/d WcVi aR_UZ_X]R_UdTRaVdžDd`) -!, %"C I ZcfX`I b] Yfg]mDfYggžA`Y`Vci`fbY"

F YWca a YbXYX`F Ygci fWg

5bghmžA "/`6i`ž; "f&\$\$*Ł" HVRTYZ_X R_U]VRc_Z_X ^ f]ZVdRTZ/d, 5YR_XZ_X ež` VdŁ TYR_XZ_X]ZVdRTZ/dž

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'fI *) 'XUmg'U'mYUfI" 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 YbfgL'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 UH]WU'mfYW]j; Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k]`bYYX'hc'gdYW]Z]WU'mUg_ 'Zcf'cbY"
Hi fb]h]b'U'gc'dfcj]XYg'i dXUH'g'cb'H\Y]f'gmghYa 'ghU'g'cb'Hk]HYf"

; YbYfU'mž'UggYgga YbhiHUg_g'a i ghVY'gi Va]HYX'Y'YWfcb]WU'mj]U'Y]H\Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba Ybhi'ž]bgHUbVW'g'k \YfY'H\g]g'bcidcgg]V'Yž'hk]`VY'ghUH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]HY'k]H

5 WUXYa]W< cbYgmiUbX'D`U[]Uf]ga

D`U[]Uf]ga]g'i g]b['hY'k cfXg'cf]XYUg'cZcH.Yfg'UbX'dfYgYbh]b['hYa 'Ug'mci f'ck b" #WUb'fU_Y'a Ubm
Zcfa gZ'Zca 'XY'jVYfUHY'WX.YU]b['hc'UW]XYbhU'mWcdm]b['Zca 'U'gci fW'k]h'ci hUW_bck`YX[Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga]bhc'hY'Zc`ck]b['WUHY[cf]Yg.

7cdm]b[. 'l g]b['hY'gUa Y'cf'j Yfmg]a]Uf'k cfXg'hc'hY'cf][]bU'HYI hcf]XYU'k]h'ci hUW_bck`YX[]b['hY
gci fW'cf'i g]b['ei chU]cb'a Uf_g" 'H\]g']bW' XYg'Wcdm]b['a UHYf]U'gZ'XYUg'cf'WcbW'dhg'Zca 'U'Vcc_ž'Ufh]WYž
fYdcfhcf'ch.Yf'k f]HYb'XcW'a Ybž'dfYgYbhU]cbž'Wca dcg]h]cbž'Ufh'cf_ž'XYg][bž'XfUk]b[ž'W]fW]fmx'Wca di hYf
dfc[fUa 'cf'gcZk UfYžk YVg]hYž']bHYfbYhž'ch.Yf'Y'YVfcb]WfYgci fW'ž'cf'Ubch.Yf'dYfgcb'f]g]g][ba Ybhk]h'ci h
Uddfcd]UHY'UW_bck`YX[Ya Ybh'

#Uddfcd]UHY'dUfUd\ fUg]b[. '7 \Ub[]b['U'Zk 'k cfXg'UbX'd\ fUgYg'k \]Y'a cghmifYU]b]b['hY'cf][]bU'
]bZcfa U]cbž'gh' W' fY'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZcH.Y'cf][]bU'k]h'ci hUW_bck`YX[Ya Ybh' 'H\]g'U'gc
Udd']Yg']b'dfYgYbhU]cbg'k \YfY'gca YcbY'dUfUd\ fUgYg'Ubch.Yf'g']XYUg'cf'k cfXg'k]h'ci hWfYX]hUbX'hc
d]YW]b['hc[YhYf'ei chYg'UbX'dUfUd\ fUgYg']bhc'U'bYk 'k \c'Yžk]h'ci hUddfcd]UHY'fYZfYbW]b["

7c`i g]cb. 'K cf_]b['k]h'ch.Yfg'Vi hdUgg]b['cZcH.Y'k cf_'Ug'U'dYfgcb'g']bX]]Xi U'k cf_" '7c`i g]cb'U'gc
]bW' XYg'dfcj]X]b['mci f'k cf_'hc'Ubch.Yf'gh' XYbh'Zc'f'hY'di fdcgY'cZcH.Ya 'd`U[]Uf]g]b[ž'dUm]b['Ubch.Yf'
dYfgcb'hc'dYfZcfa 'Ub'UWUXYa]W]Ug_ž'gh'U']b['cf'UW'ei]f]b['Ubch.Yf'dYfgcb'g'UWUXYa]Wk cf_'UbX'Wcdm]b[

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`5`f`g`z`8`Yg][`b`UbX`5`f`W`]H`W`i`f`Y`W`i`f`g`Y`g`h`]g`H`f`a``f`j`]U`A`cc`X`Y`c`f`W`i`f`g`Y`]bZcfa`Uh]cb`dfcj`]XYX`L

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

- fYei`Yg`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/
-