

IEST8003

9bj]fcbaYbHJ`@YUXYfg\]d`DfUWf]Wa'=`DfcYWicf

7 ci fgY[·]Cj Yfj]Yk

GHJZZ7cbHJWh78YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
8f [°] 5`YI UbXfU K U`_Yf	U"k U`_Yf4 i bgk "YXi "Ui	6miUddc]bha Ybh		

GWXcc``7cbHJWhi=bZcfaUh]cb

GWXcc``cZ<iaUb]ŊYg'UbX'@Ub[iU[Yg

@cWUhjcb. `GW&cc``CZJWYžA cfj Yb`6fck b`6i]`X]b[ž@Yj Y``&ž&),

CdYb]b['< ci fg. A cbXUm! : f]XUmž - Ua '!') da

D\cbY. Ž*%&'-',) %*, %

: UI . Ž*%&'-' ,) ', +\$)

9a U]`. <u>\U`4 i bgk "YXi "Ui</u>

5ggYgga Ybh

5ggYgga YbhHUg_g

5ggYgga Ybh'tUg_	K Y][\h	8iY`8UhY	GhiXYbhi@YUfb]b[CihWcaYgʻ5ggYggYX
DcfhZc`]c'	%\$\$I	H67	%ž`&ž`' Ž`(Ž`)

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh'% 'DcfhZc`]c

GHUFHXUHY. H67

@Yb[h\.`(ž\$\$\$`kcfXg`]b`hchU`

8YHJ]`g.

DcfhZc`]c`cZ(Z\$\$\$`K cfXg"`H\Y`dcfhZc`]c`fYei]fYg`gh XYbhg`hc`XcW a YbhUbX`fYZYWii dcb`h\Y]f`dfc'YWicf]bhYfbg\]d`UWijj]hjYg"`=i]g`i bXYftU_Yb`h\fci [\`h\Y`hYfa `UbX`]bWi XYg`U`fYgYUfW.`Vf]YZ`dfUWijW`a `X]UfmUbXcfU`dfY`UU ggYXZFi)ŁXg[c`X

5 HYbXUbWYFYei]fYaYbhg

D`YUgY`bchY`h\Uh`YWfifY`fYWcfX]b[g`UfY`bchUjU]`UV`Y`Zcf`h\]g`WcifgY"`GhiXYbhg`UfY`ghfcb[`mYbWcifU[YX`hc UhhYbX`U```WUggYg`UbX`WcbhUWfih\Y`7 cifgY`5ih\cf]hmhc`aU_Y`U`hYfbUh]jY`UffUb[YaYbhg`Zcf`WUggYg a]ggYX"

7 ci fgY GWX YXi `Y

J]Yk WUgg ha YHUY Y

H]a YHJV`Y'

8 UHY	Hmd Y	7 c bhYbh
K YY_`%`%) : YVfi Ufm!`%- : YVfi Ufm	Cb`]bY`5₩njj]hm	A YYh7ci fgY`5i h∖cf]mžX]gW gg`dfcYWhU]a g`UbX gWcdY/X]gW gg`dUfhbYf`cf[Ub]gUh]cb
K YY_`&.`&&`: YVfi Ufm!`&* : YVfi Ufm	:]Y`Xk cf_	5HYbX`dUfhbYf`cf[Ub]gUh]cb
K YY_''.*%A UfWX'!*)	:]Y`Xk cf_	7 cbh]bi Y`=bhYfbg∖]d
a ufvx	Cb`]bY`5₩ f]j]hm	@YUXYfg\]d`gYgg]cb!`XYjY`cd`dfc^YWiU]a_g`UbX gWcdY
K_YY_`(.`, `A_UfWX`!`%&	:]Y`Xk cf_	7 cbh]bi Y`]bhYfbg\]d
A UfVX	5ggYgga Ybh	Gi Va]hfYdcfhcb dfcYWhU]a g UbX gWcdY
K_YY_`).*%)*A_UfWX*!*%-	:]Y`Xk cf_	7 cbhbi Y`]bhYfbg\]d
A UfVX	Cb`]bY`5₩njj]hm	@YUXYfg\]d`XYj Y`cda YbhgYgg]cb
K YY_`*.`&&`A UfVX`!`&* A UfVX	:]Y`Xk cf_	7 cbhjbi Y`jbhYfbg\]d
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5df]`	Cb`]bY`5₩Mjj]hm	@YUXYfg\]d`XYj Y`cda YbhgYgg]cb
K YY_`, .`) `5df]``!`- `5df]`	:]Y`Xk cf_	7 cbh]bi Y`=bhYfbg∖]d
K YY_'`%&`5df]``!`%*	:]Y`Xk cf_	7 cbh]bi Y`=bhYfbg∖]d
5df]`	Cb`]bY`5₩njj]hm	@YUXYfg\]d`gYgg]cb
	5ggYgga Ybh	Gi Va]hdfUWjWia 'dcfh2c`]cžXY`]j Yf'cfU`'dfYgYbHJh]cb
K_YY_`%\$.`%_`5df]``!`&'	:]Y`Xk cf_	:]bU``k YY_`cZ]bHYfbg\]d
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FYgci fWg

DfYgWf]VYX F Ygci fWfg

D`YUgY`gYY`A ccX`Y`Zcf`XYHJ]`g"

FYWca a YbXYX⁻FYgci fWYg

D`YUgY`gYY`A ccX`Y`Zcf`XYHU]`g"

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

Gh XYbhgʻk]```\Uj Yʻh\Yʻcddcfh b]hmhcʻdfcj]XYʻ]bZcfa U``ZYXXVUW_'h\fci [\ci hh\YʻhYfa `UbX`Zcfa U``ZYXXVUW_ Uhih\YʻYbX`cZhYfa `h\fci [\`h\Y`A m9I dYf]YbWYʻgi fj Ym'

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

=Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb['hc'gi Va]hmci f'Ugg][ba YbhN fci [\ 'Hi fb]hjbžd'YUgY HYYd\cbY'9I HYfbU``Gi ddcfhcb'-',) '' ' '%cf'Ya U]`'h\Ya 'cb'YI HYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUfŁ''=Zmci UfY'i bUV'Y'hc'gi Va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI HYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW_Yhbi a VYf'Zfca '9I HYfbU``Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'fY`Yj UbhXcW a YbhgŁhc]bWi XY'Ug'Yj]XYbWY'hc'gi ddcfhmci f'YI HYbg]cb'Udd`]WUh]cb'''=Zmci 'Ya U]``9I HYfbU``Gi ddcfhmci 'k]`` Ui hca UhjWU``mfYWY]j Y'U'hjW_Yhbi a VYfžVi h]Zmci 'HY`Yd\cbY'mci 'k]``bYYX'hc'gdYWJZWU``mUg_'Zcf'cbY'' Hi fb]hjb'U`gc'dfcj]XYg'i dXUHYg'cb'h\Y]f'gmgHa 'gfUh g'cb'Hk]hYf''

; YbYfU``mž'UggYgga YbhHUg_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 YbH'`=b`]bgHUbWfg`k \YfY`H\]g`]g`bchdcgg]V`Yž`]hk]```VY`gHUHYX`cb`mci f`Wci fgY**'**g`A ccX`Y`g]HY`k]H\ U`HYfbUh]j Y`gi Va]gg]cb`XYHU]`g"

: cf`]bZcfa Uh]cb`cb`\ck `hc`gi Va]hUgg][ba Ybhg`cb`]bY`j]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va]hUgg][ba Ybha ccX`Y

5WUXYa]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"`=h`WUb`hU_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[`hc`UVW]XYbhU``mWcdm]b[`Zfca `U`gci fWY`k]h\ci hUW_bck `YX[Ya Ybh'

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug'U'ghi XYbh'Uhil BGK
- VY 'Uk UfY 'cZd'U[]Uf]ga ž Wcdmf][\lž I BGK 'Gh XYbh7cXY 'cZ7cbXi WiUbX '5 WW dhUV'Y 'I gY 'cZ I BGK '=7 H F Ygci fW g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj]ci f YI dYWYX cZYj YfmcbY]b h Y I BGK Wca a i b]m
- `cWUHY'gYfj]WYg'UbX']bZcfa UHjcb'UVci hI BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh\YgY'UfYUg'k]``VY'ZJa]`]Uf'hc'mci žch\Yfg'k]``VY'bYk"'; U]b]b['U'gc`]X'i bXYfgHJbX]b['cZU``'h\Y fY`UhYX'UgdYWfg'cZ9@=G9'k]``\Y`d'mci 'a U_Y'h\Y'a cghcZmci f`gh X]Yg'UhI BGK "' <u>\hhd.#gi VYWf[i]XYg'`]VfUfm'i bgk "YXi "Ui #Y`]qY#UVci hY`]qY</u>