

SOCW4013

 $7\]^X.UbX: Ua]^mK Y^ZUfY^DfUWfW$

HYfa 'Hk c''#'&\$&\$

7 ci fgY Cj Yfj]Yk

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7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
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: YfbUbXYn		bccb'UbX'H\i fgXUm %\$Ua'!'%&'bccb'6m	· ·	fK Ł'-**% -(*+'fkŁ
		Uddc]bha Ybh		,

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7 fYX]hDc]bhg *

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Gi VYWh5fYU. EaU[S^I ad]

H\]g`Wci fgY`k]```]blfcXi WY`mci 'hc`dYfgdYWfj Yg`cb`ZJa]`mž`W\]`X\ccXž`W\]`X`kY``VY]b[ž`W\]`XfYbfig XYj Y`cda YbHJ``bYYXgž`W\]`XfYbfig`f][\hgž`W\]`X`a U`hfYUha Ybh'UbX`YWc`c[]\W\``WcbhYI hg\"'\Mci `k]```UbU`mgY dfcZygg]cbU``dfUWf\W']bYUf`m]bhYfj YbhJcb`UbX`ZJa]`mgi ddcfhž`W\]`X`dfchYWfjcbž'UbX`dfchYWfj Y`WUfY]bhYfj YbhJcbg`Zcf`W\]`XfYb`Uhf]g_ž`]bWi X]b[`ci hcZ\ca Y`WUfYž'dYfa UbYbWh'UbX`UXcdhJcb\"'\Mci f`g_]``g`]b UggYgga YbhUbX`WUgY`a UbU[Ya Ybhk]``VY`UXXfYggYX''

7 ci fgY @YUfb]b[Ci hWca Yg

- %" 8 Ya cbglfUhY _bck `YX[Y`UbX`i bXYfghUbX]b[`cZW ffYbhih\YcfmžfYgYUfW\`UbX`Yblfm`Yj Y``g_]``g fY`Yj Ubhihc`ZJa]`mUbX`W\]`X`k Y`ZJfY`dfUWfW"
- &" 8 Ya cbgffUhY 'Wca dfY\Ybg]cb 'cZh\Y 'h\Ycf]Yg 'cZh\Y 'Yh]c`c[mcZj Uf]ci g 'Zcfa g 'cZa U`hfYUha Ybhž'UbX fYqYUfW\ 'cb 'h\Y]f 'dfYj U`YbWYžXYj Y`cda YbhU`'qYei Y`UY 'UbX'f]q_ 'UbX'dfchYWlj Y 'ZUWcfq"
- ' " 5 bU`mnY`h\Y`WcbgYei YbWYg`cZcddfYgg]cb`UbX`X]gWf]a]bUh]cb`cb`h\Y``]j Yg`cZW\]`XfYb`UbX`ZJa]`]Yg UbX`h\Y`YZZYWfg`cZh\Y]f`\]ghcfmik]h\]b`h\Y`W\]`X`k Y`ZJfY`gmghYa ž`UbX`Udd`mYa dck Yfa Ybhdf]bWjd`Yg]b`h\Y]f`dfUWf|WY"
- ("8Ya cbglfUhY'YblfmiYj Y``g_]``g`]b`UggYgga YbhUbX'WUgY'a UbU[Ya Ybhi]b`dfchYWfj Y'WUfY'g]h Uh]cbg cZZJa]`]Yg`UbX'W\]`XfYb"
-) " 7 ca dfY\YbXž'UbU`mmY`UbX`Yj U`i UhY`UddfcUW\Yg`lc`XY`]j Yf]b[`ZJa]`mVUgYXž`]b`\ca Y`gYfj]W\g`l\Uh Yb\UbW\`h\Y`Z bW\fcb]b[`cZZJa]`]Yg`UbX`k Y```VY]b[`cZW\]`XfYb"
- *" 7 ca dfY\YbXž'UbX'Yj U'i UhY'h\Y''Y[Ü'žgcW]U`'UbX'dgmW\c`c[]\W\`fUa]Z\WUh]cbg'cZdfchYWhj Y gYfj]\W'gž'ZcghYf'\WJfYž'UXcdh]cb'UbX'dYfa UbYbWmd`Ubb]b['cb'\W]`XfYb'Uhf]g_''UbX'Yad]f]\W'`Yj]XYbWY'cb'h\Y]f'ci hWca Yg"

HYUWX]b['GhfUhY[]Yg'

5 'k YY_`mcbY!\ci f``YWi fY 'Wcj Yfg'h\Y'h\Ycfm'UgdYWg'cZh\Y'Wci fgY"'5 'k YY_`mik c'\ci f'gYa]bUf'dfcj]XYg Ub'cddcfhi b]hmZcf'ghi XYbhg'hc'Udd`mh\Y'h\Ycfmhc'dfUW}WY'g]hi UhJcbg'UbX'XYj Y`cd'g_]``g'h\fci [\'i gY'cZ fc`Y'd`Umgž'WUgY'UbU`mg]g'UbX'ghi XYbh'dfYgYbhUhJcbg"'H\fYY'\#bhYbg]j Y'k cf_g\cdg'Wca V]b]b['h\Y'`YWi fY UbX'hi hcf]U`'k]```VY'gWXYXi 'YX'Xi f]b['h\Y'hYfa"

5ggYgga Ybh

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5```ghi XYbhg`a i gha U_Y`U`j U`]X`UhhYa dh'Uh'U```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`dfcWXi 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]cbžgYY
\hdg.#k k k "Ufhg"i bgk "YXi "Ui #W ffYbhghi XYbhg#UWUXYa]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#

Gi Va]gg]cb cZ'Ugg][ba Ybhg

5```UggYgga Ybhg'a i ghVY'gi Va]hhYX'Y'YWfcb]WU``mcb`mz'h\fci [\'h\Y'fY'Yj Ubh'UggYgga Ybh'Hi fb++b'dcfh'U`]b'A ccX'Y"'H\YfY']g'bc'\UfX'Wcdmgi Va]gg]cb'fYei]fYX"'D'YUgY'Ybgi fY'h\Uhmci f'bUa Y'UbX'ghi XYbh'+8 bi a VYf'UfY'cb'Yj YfmdU[Y'cZmci f'gi Va]gg]cb"'Mci 'UfY'bchfYei]fYX'hc'UhhUW\'U'Wcj Yf'g\YYhhc Y'YWfcb]WU``mgi Va]hhYX'UggYgga Ybhg"

• ±0X]WUhY'h\Y'h\Ya Y'cZmci f'W\cgYb'hcd]Wcb'h\Y'h]hY'dU[Y'cf'h\Y'VY[]bb]b['cZmci f Ugg][ba Ybh

K \Yb'mci 'gi Va]h'Ub'UggYgga Ybh'Uhl BGK ž'mci 'UfY'UW_bck `YX[]b['h\Uhmci '\Uj Y'i bXYfghccX'UbX UV]XYX'Vmh\Y'l b]j Yfg]hmfYei]fYa Ybhg']b'h\Y'dfYdUfUh]cb'cZh\UhUggYgga Ybh']hYa ž']b'fYgdYWrcZgh XYbh UWUXYa]Wa]gWcbXi Wrci h]bYX']b'h\Y'E fgVW f 5 aVWBa'{Uk'UbX'E fgVW f ? [eUa` VgUf BdaUWWgdWež'Vch\'cZk\']W'UfY'Uj U]`UV'Y'Uh''''\\ htdg.##h XYbh'i bqk "YXi "Ui #WcbXi Wr"

Mci 'UfY'U`gc'XYWUf]b['h\Uh'h\Y'UggYgga Ybh']hYa ']g'mci f'ck b'k cf_žYl WYdh'k \YfY'UW_bck `YX[YXž UbX'\Ug'bch'VYYb'gi Va]hYX'Zcf'UWUXYa]WWfYX]hdfYj]ci g`m']b'k \c`Y'cf']b'dUfh'

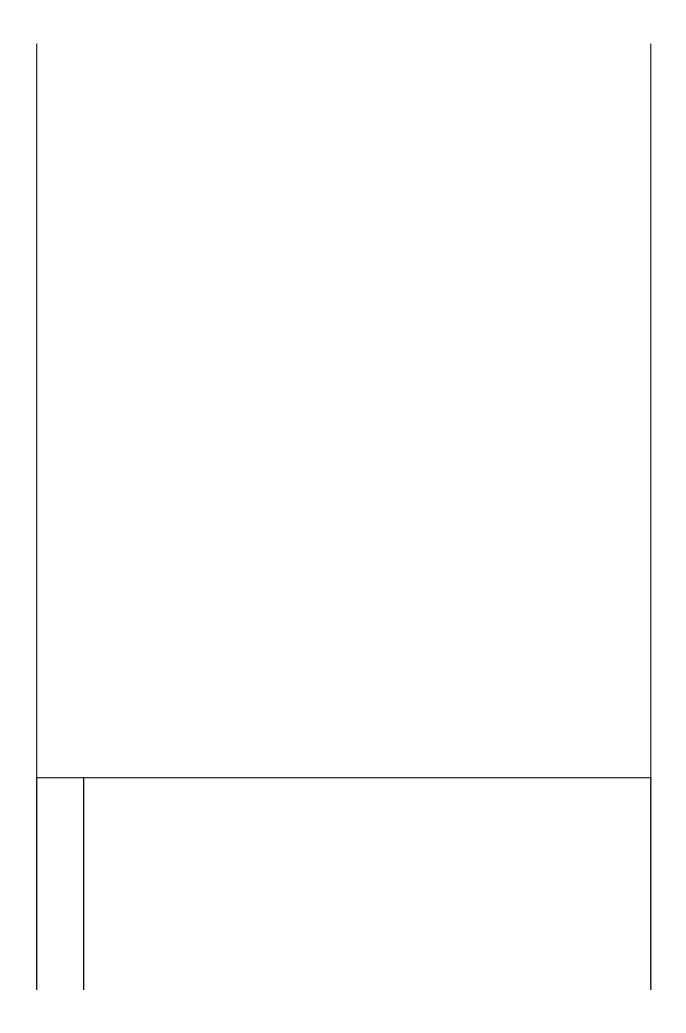
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bYYX [*] Zcf*UW WUfY*—*ZcghY	cZWcbHUWnVYkkYYb'WX]`XfYb']b'WUfY'UbX'hXY]f'V]fhX'dUfYbhg'\][\`][\`][\hg'hXY MjYgcW]U``kcf_'dfUW]WY'k]hX'U``'dUff]W]dUbhg'cZhXY'hf]Ub['Y'cZZcghYf'\ca' Yf'WX]`XfYbž'ZcghYf'dUfYbhg'UbX'V]fhX'dUfYbhg"'FYj]Yk'hXY'fYgYUfWX'UbX WU``]ggiYg'UbX'ghfUhY[]Yg'Zcf'dc`]WmUbX'dfUWf]WY"'f&ghiXYbhgŁ'''''
fYei]f]b['ZY Ug'W]Ybhgž'\	_`dfUWjWY`k]h\`ZcghYf`dUfYbhg#WUfYfg`]bjc`jYg`U`dfcZYgg]cbU``fY`Uhjcbg\]d /I]V]`]hm`WcbWYfb]b[`fc`Yg`UbX`YIdYWWUhjcbg"`G\ci`X`ZcghYf`dUfYbhg`VY`j]Yk /vc``YU[iYg`cf`WcbhfUWrcfg3`K\Uh`]ad`]WUhjcbg`kci`X`h\YgY`X]ZZYfYbh nUhjcbg`cZh\Y`ZcghYf`dUfYbh#WUfYf`fc`Y`\UjY`Zcf`W\]`X`kY`ZUfY`dfUWfJWY3`f&
`YUj Y``cb['I	Y'cZh\Y'bYYXg'UbX'dfcV`Ya g'ZUW]b['W\]`XfYb'UbX'mci b['dYcd`Y'Ug'h\Ym hYfa 'gi Vgh]h hY'WUfY''K \Uh'UfY'h\Y'HUg_g'UbX']ggi Yg'gcW]U`'k cf_Yfg'WcbZfo '_]Xg'hc'HfUbg]h]cb'Zfca 'WUfY'hc']bXYdYbXYbh`]j]b[3'f&'gh XYbhgŁ
VW\] #"	
1	cf'dYfa UbYbWn
D`Ubb]b[Z K \UhXc'mc d`Ubb]b['····	cf'dYfaUbYbWn i i bXYfgHUbX'Vmih.Y'WcbWYdhg'cZ'dYfaUbYbWn'd`Ubb]b[''UbX''WcbWYffYbh ']b'cihcZ\caY'WUfY3'Cih]bY'h.Y]f'ZYUhifYg'UbX']XYbh]ZmigcaY'cZh.Y]f jUbHU[Yg'UbX'WcbghfU]bhg']b'ig]b['h.]g'ZFUaYkcf_'Zcf'XYW]g]cb'aU_]b["'f&
D`Ubb]b[Z K \UhXc mc d`Ubb]b['```]b\YfYbhUX gh XYbhgŁ	i i bXYfgHJbX:Vmh\Y:W&bWYdhg:cZ'dYfa UbYbWnd`Ubb]b['':UbX:'W&bW\ffYbh i]b:ci hcZ\ca Y:WUfY3:Ci h]bY:h\Y]f:ZYUh fYg:UbX:]XYbh]Zmgca Y:cZh\Y]f
D`Ubb]b[Z K \UhXc mc d`Ubb]b['```]b\YfYbhUX gh XYbhgŁ	i i bXYfgHUbXiVmih.YiWcbWidhgicZʻdYfa UbYbWmd`Ubb]b[i'UbXi'WcbWiffYbhi]bici hcZ\ca YiWlfY3'Ci h]bYih.Y]fiZYUhifYgiUbXi]XYbhJZmgca YicZh.Y]f j UbHJ[YgiUbXiWcbghfU]bhgi]biig]b[ih.]giZfUaYkcf_iZcfiXYW]g]cbiaU_]b["if& dh]cbifYWcfXgiVYicdYbYXiUbXig\ci`XicdYbiUXcdh]cbiVYidfUWfJWYX3iMYg#B

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Ghi XYbhgʻgi Va]hUʻ&ž\$\$\$`k cfX`YggUmcb`Wci fgY`h\Ya YgʻUbX`hcd]Wg"`H\]gʻ]gʻh\Y`Z]bU``UggYgga Ybh'Zcf`h\]g Wci fgY"

Gh XYbhq fYWY] Y'k f]hhYb ZYYXVUW_UbX'U'bi a Yf]WU``[fUXY'k]h\]b h\fYY'k YY_qcZqi Va]qq]cb"'

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

5gg][ba YbhHcd]Wg

 $7 \cdot ccgY \cdot CB9 \cdot cZh \cdot Y \cdot Zc \cdot ck]b[.$

- %" 7 f]h]wU``mfYj]Yk 'h\Y`a U'cf`XYj Y`cda Ybhg`]b`dc`]whz'dfUwf)wY`UbX`fYgYUfW\`]b`h\Y`UfYU`cZ Y]h\Yf`FYi b]Z]wUh]cb#FYghcfUh]cb`]b`ci hcZ\ca Y`WUfYž`cf`5Xcdh]cb"`=`i ghfUhY`mci f`Ubgk Yf k]h\`U``YUghih\fYY`fYgYUfW\`ghi X]Yg`fbUh]cbU`#bhYfbUh]cbU`Ł"`8]gW gg`h\Y]f`]a d`]\WUh]cbg`Zcf W\]`X`k Y`ZUfY`dfUWf)WY`]b`h\Y`bYk 'a]``Ybb]i a"'
- &" 7 f]h]WU``mYj U`i UhY`h\Y`cfYh]WU``UbX`Ya d]f]WU``fbUh]cbU``UbX`]bhYfbUh]cbU`Ł``]hYfUhi fY`cb`h\Y UggYgga Ybh'UbX`gi ddcfhcZZcghYf`WUfYfg"`8]gW'gg`h\Y]f`]a d`]WUh]cbg`Zcf'dc`]Wn'UbX`dfUWf]WV"
- ' " K \UhXcYg'h\YcfmUbX'fYgYUfW\'hY``i g'UVci hih\Y'fc`Y'UbX'dcg]h]cb`cZV]c`c[]\WJ``dUfYbhg`cZ \W]`XfYb`]bj c`j YX`]b`W\]`X'dfchYWf]cb'UbX'ci hcZ\ca Y'\WJfY`gmghYa g3'8]gW gg`]a d`]\WJh]cbg \Zcf`VYghdfU\W]\WY]b'Yb[U[]b['V]c`c[]\WJ``a ch\Yfgž'\ZJh\Yfgž'[fUbXdUfYbhg`]b'h\Y'\WJfY \Wbh]bi i a 'hc'VYbYZ]hci h\&a Yg'Zcf'\W\]`XfYb"
- ("7f]h]wU``mfYj]Yk 'h\Y`XYjY`cda Ybhg`]b`dc`]whz`dfUwf)wY`UbX`fYgYUfw\`]b`fY`Uh]cb`hc]bhYfwci bhfm#]bhYffUw]U``UXcdh]cb"'9jU`i UhY`h\Y`W`hi fU``UbX`dgm\Xcgcw]U``]ggi Yg`Zcf]bhYfbUh]cbU``mUbX`]bhYffUw]U``mUXcdhYX`W\]`XfYb"'7]hY`h\YcfmUbX`fYgYUfw\`hc`gi ddcfhimci f Ubqk Yf"
-) " 7 f]h]wW``mUbU`mgY`h\Y`ZJWcfg`Wcbff]Vi h]b[`hc`h\Y`cj Yf!fYdfYgYbhJh]cb`cZ5Vcf][]bU``W\]`XfYb`]b 5i ghfU`]U'g`WJfY`UbX`dfchYW]cb`gmghYa ž`]bWi X]b[`Wcbg]XYfUh]cb`cZh\Y``Y[UWncZ\]ghcf]WU` dfUWf]WYgž[cj Yfba Ybhdc`]W]Yg`UbX`ghfi Wi fU``X]gUXj UbhU[Y"`Dfcj]XY`YI Ua d`Yg`cZdc`]WniUbX dfc[fUa `fYgdcbgYg`h\Uh`\Uj Y`VYYb`]bhfcXi WYX`hc`UXXfYgg`h\Y`]ggi Y`UbX`Wca a Ybhcb`h\Y]f YZYWjj YbYgg"

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K cfh\. ') \$1

Hc VY gi Va]hhYX h\fci [\ Hi fb]h]b

7 f]hYf]U.

%" FY`Yj UbWY`cZWcbHYbhUbX`UXYei UHY`Wcj YfU[Y`cZh\Y`ei Ygh]cb &" 9j]XYbWY`cZh\YcfmUbX`fYqYUfW\

- ("7f]h]wu`Yj U`i Uh]cbcZh\Ycfm#YqYUfWX#ggi Yq'UbXcf][]bU`]lmcZh\ci[\h
-) " Cf[Ub]nUh]cbžghfi Whi fY'UbX']bhY[fUh]cb'cZ]XYUg
- *" 7 `Uf]micZYI dfYgg]cb 'UbX'ei U`]micZk f]h]b[
- +"; fUa a Ufž'UXYei UhY'YI dfYgg]cb'UbX'gdY``]b[
- , " 7]h]b['gci f\\\'gz`f\'Z\'f\'b\\]b['UbX'V]\\`]c[fUd\m
- " BchYl WYXYX'k cfX``]a]hVma cfY'h\Ub'&\$\$'k cfXg

 $\label{thm:continuous} \begin{tabular}{ll} Hi & fb & gYH & gYY Hi & fb & gYY Hi & fb$

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GhUfhXUhY. Bch5dd`]WUV`Y

@Yb[h\.'%\$\$\$

8 YW] g.

Ghi XYbhgʻgi Va]hUʻ‰\$\$\$'k cfX`YggUmcbʻh\Ycf]YgʻcZa UʻhfYUha Ybh' Ghi XYbhgʻfYWY]j Y`k f]hhYbʻZYYXVUW_UbX`Uʻbi a Yf]WJ``[fUXY`k]h\]bʻh\fYY`k YY_gʻcZqi Va]qq]cb"

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

FYj]Yk 'UbmcZh\Y'Zc``ck]b['dU]fYX'fYUX]b[g'f**U'UbX'V**Ł'rc'VY'Zci bX']b'**DUfh'%cZ'h\Y'7 ci fgY'FYUXYf** #

Gh Xm_]h fU`gc]b @Y [UbhcŁ

 $\begin{tabular}{ll} $$U^*e_{k} & $\ E^* \setminus U^*f_{k} & $\ E^* \setminus U$

CF

UŁ:7 c`hcbžA "ž'GUbXYfgž'F "ž/ 'K]``]Ua gžA "'f&\$\$%Ł'7 \UdhYf'&"'7 \]`X'8 Yj Y`cda Ybh'H\Ycfm'']b'5 b ≢blfcXi Wjcb`''hc'K cf_jb['k]h\'7 \]`XfYb"'5 '; i]XY'Zcf'GcWjU`'K cf_Yfg"'DU`[fUj Yž'BYk 'Mcf_÷

VŁ'8 cmYž'7 "'UbX'H]a a gž'7 "ž'f&\$%(ŁZ'7 \ UdhYf'('7\]'X'XYj Y`cda Ybh'dgmWk.cgcWJU`'ZJWcfgž']b'5 Z[V 'WY WUf S` V 7_ af[a` S^3TgeW G` VWdefS` V[Ył 3eeWe_ W f S` V DWeba` eW GU[Y'Di V`]WUh]cbg' \= \WZ @cbXcb-

СF

UŁ7 cfVmž6"žf&\$\$*tž7 \UdhYf"%\ž7 i ffYbhi]ggi Yg`]b`W\]X'dfchYWncb'k cf_ž'dd&'-!&)) `]b`5 Z[V 3TgeW Fai SdVe S = `ai \WYW4 SeW ' fX'fYXbtz'C dYb'l b]j Yfg]hmDfYggz'A U]XYb\YUX

VŁ7 cfVmž6"žG\Ya a]b[gž8"žUbX'K]`_]bgž8"žf&\$\$*\ŁZ7\UdhYf'('8YZ]b]b['7\]`X'5Vi gY'dd!', '!%\$%ž]b'5Z['V 3TgeW 3` Wh[VW UWTSeWXadUa` XVW f bdSUf[UW (h\'fYXb\L'C dYb'I b]j Yfg]miDfYggž A U]XYb\YUX

СF

UŁ? cfV]bž>"9"`f% - (Ł7\UdhYf') "'GcW]cW`hi fU`: UWcfg']b'7\]X`A U`hYUha Ybh'``]b'; 6`A Y`hcb'/ : 8 6Uffmf9XgŁDfchYW]b['7\]XfYb'Zfca '5Vi gY'UbX'BY[`YWf'': ci bXUh]cbg'Zcf'U'BYk 'BUh]cbU` GhfUhY[m''`H\Y'; i]`ZcfX'DfYggžBYk 'Mcf_"

VŁ'6i fbgž'5"ž'6i fbgž'?"ž'UbX'A Ybn]Ygž'?"ž'f&\$\$(Ł'7\UdhYf'-'Ghcb['GhUhY'+bhYf] Ybh]cb.'H\Y'Ghc`Yb; YbYfUh]cbgž'dd"'%\$!&\$-']b'>Ybb]ZYf'A"'6ck Yg'flYXL'5Z[VdW+8S_[{We S`V5a_g`[f]We,5a`fW}bLz'GU[Y'DiV`]WUh]cbg'+bW"@cbXcb

СF

UŁ6Yf]bYfž@'zf&\$\$\$£7\UdhYf) "K\Uh]g'GYI i U`5Vi gY3'dd"% !&&]b'<ck UfX'8i Vck]m/'8]UbY8YDUbZjq'flYXqŁ: S`VTaa] Xad5Z[V BœlfWUf[a` BœlUf]UWzGU[Y'Di V`]WUflcbg'±bW'@cbXcb'

VŁ7 fcggcb!Hck Yfž7 "žf&\$%) Ł7 \UdhYf'&'H\Y'8 mbUa]Wg'cZ7\]'X'GYI i U`'5Vi gY']b'5a` Xta` f[`Y 5Z[V S` V 3Va^WeUW f E Wj gS^3TgeW GU[Y'Di V]WUh]cbg'\bWz@cg'5b[Y`Yg

СF

VŁ8Uj]Ygž@'ž8iW_YhtzB"žf&\$%*Ł7\UdhYf"(žBY[`YWtzdd% \$!%*-ž]b'DfcUWtjY'7\]`X'DfchYWtjcb'UbXGcW]U`Kcf_ž&bX'flYXbŁZGU[Y'DiV`]WUhjcbg'&bWZ@cbXcb

8 Y j Y`cd 'U'gi WW]bWigi a a UfmcZh\Y'**W\cgYb**'&'fYUX]b[g'U'Z'V'f\#\$\$'k cfXg\E'\][\`][\\j]b['_Ym \b\b\W'd\mathred{h}\Ycf]Yg\#ggi Yg"'F YZYWicb'h\Y']a d`]\\U\mathred{h}\Ycf]Yg\#gY'\\cb\W'd\mathred{h}\Ycf]Yg\#Zcf'mci f dfU\W]\\W']b'h\Y'\Z]Y`X'cZ\ZJa]`mUbX'\\X]`X'k Y`\ZJfY'fl \$\$'k cfXg\Z''!('fYZY\W]cbg'\UbX']a d`]\\U\mathred{h}\D\mathred{h}\D\mathred{h}\D\mathred{h}\U\mathred{h}\\U\mathred{h}\U

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K cfh\. '&\$1

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7 f]hYf]U.

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&" Cj YfU``Wca dfY\Ybg]cb cZh\Ya Yg#ggi Yg

- ' "Glfi Wi f]b[cZfY Yj UbhWcbhYbhUbX UXYei UWncZgi a a Ufm
- ("FYZYW) cb`UbX`Udd`] WUh] cb`cZWcbW'dhg`hc`dc`] WhiUbX`dfUW] WYUh cb`cZWcbW'dhg`hc`dc`] WhiUbX`dfUW] WhiUbX`dfUW] WYUh cb`cZWcbW'dhg`hc`dc`] WhiUbX`dfUW] WYUh cb`cZWcbW'dhg`hc`c`gwcbw'dhg`hc`dc`] WhiUbX`dfUW] WYUh'AbC`cZWcbw'dhg`hc`dc`] WhiUb
-) " 7 f]hWV`Yj U`i Uhcb cZh\Ycf]Yg#ggi Yg
- *" 7 `Uf]mcZYI dfYgg]cb UbX ei U`]mcZk f]h]b[
- +" Cf[Ub]nUh]cb#bhY[fUh]cb cZa UhYf]U`
- , " 7]h]b[$cZgcifWVgzfYzYfYbW]b[UbXV]V^]c[fUd\m]$
- "BchYl WYXXX h\Y k cfX"]a]hVma cfY h\Ub &\$\$ k cfXg

5 https://bxubwww.Fyei]fYaYbhg

 $\hbox{Ghi XYbhg'UfY'ghfcb[`m'YbWc'i fU[YX'hc'UhhYbX'U```WUggYg'UbX'fYj]Yk'``YWhfY'fY'WcfX]b[g''' } \\$

7 ci fgY GWX YXi `Y

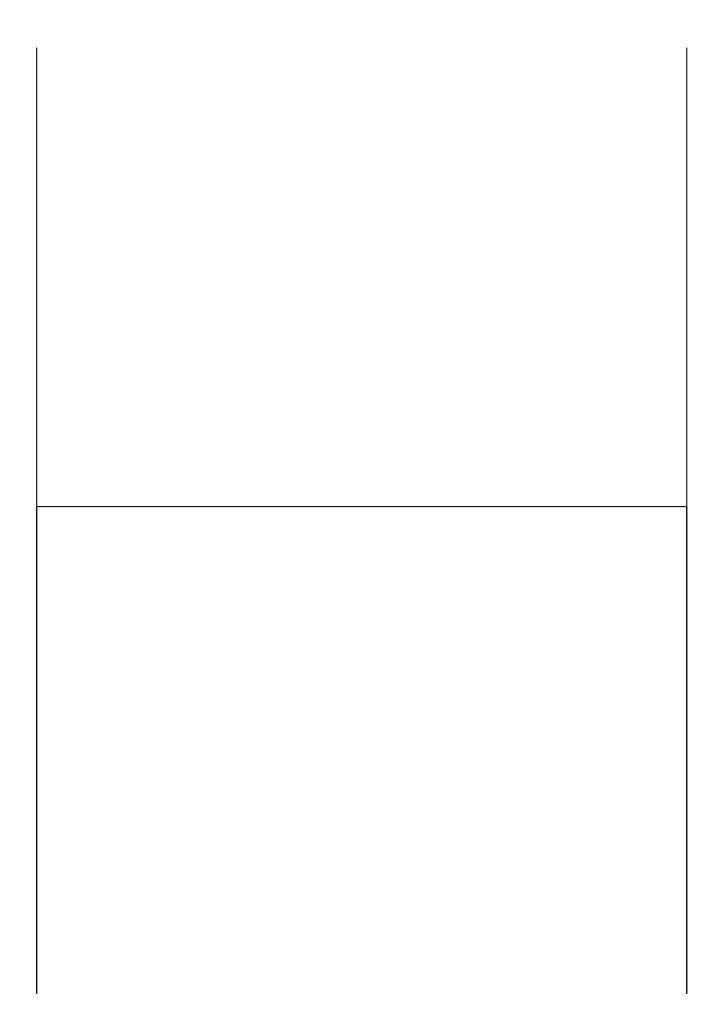
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		7 ci fgY fYUXY f DUfh'% d '%' \$
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K YY_'&.', '>i bY'!'%& >i bY	GYa]bUf	H\Y'7\]`XfYb'g'7UfY/'DfchYWnjcb'5Wnff%-,Ł
		=a d`]WUhjcbgʻZcfʻWk]`X`kY`ZUfY`dfUWijhjcbYfg
		6 [eUgee[a`a` WY [e/Sf[a`
		@Y[U`GYfj]WYg
		8 YdUffa YbhcZ7ca a i b]fmUbX >i ghJWYGYfj JWYgf87>L
		5agdeWdM\$VWdDUfh'%d'd'%)(
K YY_'' .'%) '>i bY'!'% >i bY	@YWnifY	7\]`X`5Vi gY.`8YZ b]h cbgž'Wcbghfi Wh cbgž WcbgYei YbWYg`A UbXUhcfmfYdcfh b[`fYgdcbX]b[`hc X]gWcgi fY
		5 agdeWdW\$VWd DUfh'%ž d', '!-*ž'%\$)!% &
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Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

Image: Ybwei bhyfu'dfcv'ya k \yb'uhhya dhjb['hc'gi va]hmci f'Ugg][ba Ybhh\fci [\ 'Hi fb]h]bž'd'YUgY

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\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUft"'=Z'mci
UfY'i bUV'Y'hc'gi va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\ 'Hi fb]h]b'mci 'a Um'Udd'mZcf'Ub'Y! hy'bg]cbž'Vi hmci
a i ghfYhJ]b'mci f'h]W_Yhbi a VYf'Zfca '9! hy'fbU''Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgt'hc
]bWi XY'Ug'Yj]XYbW' 'hc'gi ddcfhmci f'Y! hy'bg]cb'Udd']WUh]cb"'=Zmci 'Ya U]''9! hy'fbU''Gi ddcfhmci 'k]'`
Ui hca Uh]WJ'`mfYW']j Y'U'h]W_Yhbi a VYfZ'Vi h]Zmci 'hY'Yd\cbY'mci 'k]``bYYX'hc'gdYW]Z]WJ'`mUg_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\WJ``mij]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh''=b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k]h\U`hYfbUh]j Y'gi Va]gg]cb'XYHJ]`g"

cfi]bZcfa Uhjcbicbi\ckihcigi Va]hUgg][ba Ybhgicbi]bYij]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va]hUgg][ba Ybha ccXiY

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]XYbhJ``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.

 $7 \text{ cdm}b[...i g]b[...h\Y.gUa Y.cf.j Yfmig]a] \Uf'k cfXg'hc'h\Y.cf][]bU''hYl h'cf']XYU'k]h\ci h'U\V_bck `YX[]b[...h\Y.cf][]bU''hYl h'cf']XYU'k]h'cf']$

- i bXYfgfUbX mci f'f][\hg'UbX'fYgdcbg]V]`]hJYg'Ug'U'gh XYbhUhl BGK
- VY`Uk UfY`cZd`U[]Uf]ga ž`Wcdmf][\hz'l BGK `Gh XYbh7cXY`cZ7cbXi WhUbX`5VWWdhUV`Y`l gY`cZ I BGK `=\forall H`F Ygci f\W\g`Dc`]\m\m
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj]ci f'Yl dYWYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wca a i b]hm
- `cWUHY 'gYfj]WYg'UbX']bZcfa UH]cb'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\YfY`UhYX'UgdYWhg'cZ9@&9'k]``\Y`d'mci 'a U_Y'h\Y'a cghicZmci f'ghi X]Yg'Uh'l BGK "'\\hd.##gi V'YWfi |XYg"`]VfUfm'i bgk "YXi "Ui #\`]qY#JVci hY`]qY

5 WUXYa] W = b Zcfa Uh]cb

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

- fYei Yghg Zcf Yl hYbg]cb/`UhY gi Va]gg]cbg [i]XY`]bYg/