

PTRL6003

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7 ci fgY⁻Cj Yfj]Yk

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7 cbj Ybcfg

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GWX.cc``7cbHJWhi=bZcfaUh]cb

GW&cc``cZA]bYfU`g`UbX`9bYf[mFYgcifWYg C`X`AU]b`6i]`X]b[ž`@YjY``%z`%) - `fP%)Ł IBGK `GM8B9MBGK`&\$)&5IGHF5@=5

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9. a YfY"hYUWX]b[4 i bgk "YXi "Ui

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7cifgY[·]8YHJ]`g

7 fYX]hDc]bhg***

Gi a a UfmcZhXY7ci fgY

H\]gʻWci fgYʻk]``Wcj Yfʻh\YʻUbUʻmf]WU``UbXʻbi a Yf]WU`a Yh\cXgʻhc`]bhYfdfYhk Y```dfYggi fYʻhYghg"`H\YcfmcZ hfUbg]Ybhk Y```hYgh]b["`DfUWf]WU``UgdYWfgʻcZh\YʻXYg][b`UbX`dYfZcfa UbWY`cZZ]Y`X`hYgh]bghfi a YbhUh]cb" DfYggi fY`XfUk Xck b`hYghg"`: U``!cZZhYghg"`A i`h]!fUhYʻhYghg"'; Ugʻk Y```hYgh]b["`: `ck !UZhYf!Zck "`∋gcW\fcbU``UbX]gcW\fcbU``a cX]ZYX"`=bhYfZYfYbWY`hYgh]b["`Di `gY`hYgh]b["`8f]``ghYa `hYghg": fUWfi fYX`fYgYfj c]f`hYghg" 5bU`mg]gʻcZa i `h]d\UgY`Zck `hYghg"

7 ci fgY 5]a g

H\Y'U]a 'cZh\]g'Wci fgY']g'rc'[]j Y'rrci 'Ub']bg][\h]b'rc'k Y```dfYggi fY'hYgh]b['UbU`rrg]g/rc']bhfcXi WY'rrci 'rc]a dcffUbhcZdfYggi fY'XUHU'W\UfUWhYf]gh]Wg/UbX'rc'Ugg]ghirrci 'rc'Ubgk Yf'_Ym'ei Ygh]cbg'rc'k Y```dfYggi fY hYgh]b['UbU`rrg]g"

7cifgY`@YUfb]b[`CihWcaYg

- %" I bXYfgHJbX`UbX`Udd`miZ bXUa YbHJ``H\Ycf]Yg`UbX`WcbWYdhg`hc`gc`j Y`a Ubmik Y```dfYggi fY`HYgh]b[fY`UHYX`dfcV`Ya g"
- &" 7 f]h]WU``mUbU`mgY`h\Y`i bXYfm]b[`h\Ycf]YgžWcbWYdhgžUggi a dh]cbg`UbX`Uf[i a Ybhg`WcbWYfb]b[X]ZYfYbhhmdYg`cZdfYggi fY`XUHU`cVHU]bYX`Zica``h\Y`Z]Y`X"

HYUWX]b[GHfUHY[]Yg

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Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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K Y`YbWci fU[Y`mci `hc`fYHJ]b`U`WcdmicZYj YfmUgg][ba Ybhigi Va]HYX`Zcf`UggYgga YbhZcf`mci f`ck b`fYWcfX Y]h\Yf`]b`\UfXWcdmicf`Y`YWfcb]WZcfa "

5```UggYgga Ybhg`a i gh\Uj Y`Ub`UggYgga YbhWcj Yf`g\YYhUhUV&YX"

@UhY Gi Va]gg]cb cZUb 5gg][ba Ybh

: i ```a Uf_g`Zcf`Ub`Ugg][ba YbhUfY`cb`mdcgg]V`Y`k \Yb`Ub`Ugg][ba Ybh`]g`fYWY]j YX`Vmh\Y`Xi Y`XUhY"`

K Y'i bXYfgHUbX'H\Uh'Uh'h]a Yg'mci 'a Umbch'VY'UV`Y'hc'gi Va]h'Ub'Ugg][ba Ybh'cb'h]a Yž'UbX'H\Y'GV\\cc``k]`` UVWca a cXUHY'UbmZU]f'UbX'fYUgcbUV`Y'YI HYbg]cb"'K Y'k ci `X'fYVca a YbX'mci 'fYj]Yk 'H\Y'I BGK 'GdYV]U` 7 cbg]XYfUh]cb'[i]XY`]bYg'-gYVf]cb'VY`ck "

@UhY`gi Va]gg]cb`k]``bchVY`UVWYdhYX`UbX`k]``VY`Wcbg]XYfYX`Ug`bc`gi Va]gg]cb"

GdYWJU`7cbg]XYfUh]cb

Mci 'WUb'Udd`mZcf`gdYWJU`'Wcbg]XYfUh]cb'h\fci [\`<u>H\Y'Bi WYi g'Gh XYbh<i V</u>'k \Yb']``bYgg'cf'ch\Yf WJfW a gHUbWYg']bhYfZYfY'k]h\`mci f'UggYgga Ybh'dYfZcfa UbWY'''G]W_bYggž'a]gUXj Ybhi fY'cf'ch\Yf WJfW a gHUbWYg'VYmcbX'mci f'WcbHfc``a Um

- DfYj Ybhmci 'Zfca 'Wca d'Yhjb['U'Wci fgY'fYei]fYa Ybh
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- G][b] AMA BUZY Where if Book Age of the state of the stat

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A cfY`XYfU]`g`cb`gdYWJU``Wcbg]XYfUHjcb`WUb`VY`Zci bX`Uh`<u>k k k "ghi XYbh'i bgk "YXi "Ui #gdYWJU`!Wcbg]XYfUHjcb</u>

Gh XYbhGi ddcfh

H\YʻI b]j Yfg]miUbXʻh\Yʻ: UW `midfcj]XYʻUʻk]XYʻfUb[YʻcZgi ddcfhigYfj]WfgʻZcf`gh XYbhgž`]bWi X]b[.

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

Mci f``YWi fYf`UbX`h\Y`I b]j Yfg]Imik]``YI dYWinci f`gi Va]IhYX`Ugg][ba Yblg`UfY`Hi`minci f`ck b`k cf_"`I BGK \Ug`j YfmWYUf`[i]XY`]bYg`cb`k \Uhd`U[]Uf]ga `]g`UbX`\ck hc`Uj c]X`]H`D`U[]Uf]ga `]g`i g]b[`h\Y`k cfXg`cf]XYUg`cZch\Yfg`UbX`dfYgYbh]b[`h\Ya `Ug`nci f`ck b"`D`U[]Uf]ga `]g`U`mdY`cZ]bH``YWi U``h\YZh'' #i`WUb`HU_Y a UbmZcfa gž`Zīca `XY`]VYfUHY`W\YUh]b[`hc`UVW]XYbHU``mVcdm]b[`Zīca `U`gci fWY`k]h\ci hUW_bck `YX[Ya Ybh' H\Y`I b]j Yfg]Imi\Ug`UXcdhYX`Ub`YXi WUh]j Y`UddfcUV\`hc`d`U[]Uf]ga `UbX`\Ug`XYj Y`cdYX`U`fUb[Y`cZ fYgci fWYg`hc`gi ddcfhgh XYbhg''`5```h\Y`XYHJ`g`cb`d`U[]Uf]ga ž`]bWi X]b[`gca Y`i gYZ ``fYgci fWYgž`WUb`VY Zci bX`Uhi<u>k k k "gh XYbh'i bgk "YXi "Ui #d`U[]Uf]ga</u>."

5WUXYa]W=bZcfaUh]cb

7 ci fgY FYgi `hg

: cf^{*}XYHJ]`gʻcbʻI BGK ^{*}UggYgga Ybhdc`]Whž'd`YUgY`j]g]h<u>'k k k "gh XYbh'i bgk "YXi "Ui #UggYgga Ybh</u>

=b`gcaY`]bgHJbWfg`mcif`Z]bU``WcifgY`fYgi`haUmVY`k]h\\Y`X`UbX`bchfY`YUgYX`cb`h\Y`IBGK`d`UbbYX`XUhY" H\]g`]g`]bX]WJhYX`VmU`WcifgY`[fUXY`fYgi`hcZY]h\Yf.

• @9'-']bX]WUHYg'mci '\UjY'bchWca d'YHYX'cbY'cf'a cfY']HYa g'cZUggYgga Ybh/cf

 $\label{eq:constraint} \begin{array}{l} K = Y^{UW}bck^{YX}[Y^{H}Y^{G}YXY][U^{T}dYcd^{Y}k^{T}k^{T}HUX]h]cbU^{T}WghcX]Ubg^{T}cZhY^{T}UbXg^{T}cb^{K}^{T}BGK \\ ? Ybg]b[hcb^{T}Wadig^{T}g^{T}cWUhYX'' \end{array}$