

7ci fgY⁻Cj Yfj]Yk

GHJZ7cbHJWh8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D∖cbY
>YfYa mA cgg	<u>å cgg4 i bgk "YXi "Ui</u>			

GWXcc``7cbHJWhʻ±bZcfa Uh]cb

GW.cc``cZ<iaUb]h]Yg'/ @Ub[iU[Yg

@c\\U||cb. G\\cc``C\\Z|\\\ž\Acfj\b'6fck\b'6i]\X]b[\z'@\j\Y``&z'&),

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

HY`.'\$&'-'(, '\$(\$*

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

5W_bck `YX[Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]hYWi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'Wa di gYg'UfY'Vi]'hcb'5Vcf][]bU`@UbXg"'K Y'dUmci f'fYgdYWg'hc'h,Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k \c'UfY'h,Y'7 i ghcX]Ubg'cZh,YgY'`UbXg" K Y'UW_bck `YX[Y'h,Y'5Vcf][]bU`'UbX'HcffYg'GhfU]h=g`UbXYf'dYcd'Ygž'h,Y':]fghi5i ghfU`]Ubgžk \cgY'`UbXgž k]bXg'UbX'k UhYfg'k Y'U``'bck 'g\UfYž'UbX'dUmfYgdYWhc'h,Y]f'i b]ei Y'j U'i Ygž'UbX'h,Y]f'Wbh]bi]b['UbX YbXi f]b['W' h fYg'k \]W. XYYYdYb'UbX'Ybf]W. h,Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg"''

 $\label{eq:continuous} \begin{array}{ll} \text{$\stackrel{\cdot\cdot}{\to}$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7\lubWY``cf'$$$ bX][Ybcig']$$ Ybcig'ghfUhY[m] $$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\Y'CZh\Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh\X'Ch'Y'Dfc'J]WY!7$$ $$ U[Y'WciftYgmicZh$

7ci fgY 8YHJ] g

 $I b hg c Z 7 f Y X h^*$

Gi a a UfmcZh\Y'7ci fgY

 $\label{thm:conditional} $$HY'We' if gY'dfej]XYg'mci'k]h' Ub'cddefhi b]hmhc'[U]b'Ub'i bXYfghUbX]b['cZ_Ymhcd]Wg']b'dc']h]WU'd\]cgcd\mgi W.'Ug.'X]ghf]Vi h]j Y'A gh]WYZ'h\Y'fe'Y'UbX'']a]hg'cZZYYXca Z'dYfgcbU''fYgdcbg]V]']hm'UbX'h\Y Xi h]Yg'h\Uhk Y'\Uj Y'hc'ch\Yfg'''K Y'k]'''ZcW g']b'dUfh]Wi'Uf'cb'h\Y']ggi Y'cZk \Yh\Yf'A gh]WY'g\ci'X'VY h\ci [\hcZUg'['cVU''cf'k\Yh\Yf']hg\ci'X'Udd`mgc'Y`mk]h\]b'bUh]cb'ghUhYg'''K Y'k]'''Wcbg]XYf'A gh]Z]WUh]cbg Zcf'WcbWdh]cbg'cZ['cVU''A gh]W''Ug'k Y'''Ug'bUh]cbU']ghW\U'Yb[Yg''+\hci [\ci hh\Y'Wci fgY'k Y'k]'''']b_'h\Y d\]cgcd\]WU''Uf[i a Ybhg'hc']ggi Yg'gi W\'Ug'['cVU''dcj Yfhmz'dUbXYa]\Wg'cf'W'hi fU''X]\ZYfYbWYg'''H\]g'k]''U''ck 'mci 'hc'XYj Y'cd'Ub'i bXYfghUbX]b['cZh\Y'fc'Y'cZdc']h]\WJ''d\]cgcd\m]b'UggYgg]b['gc'i h]cbg'hc'a U'cf di V']\WdfcV'Ya g'UbX'XYVUhYg''$

7 ci fgY @YUfb]b[Ci hMca Yg

- %" ⇒ YbhjZmUbX`Yl dci bX`a U'cf'h\Ycf]Yg`UbX`Uf[i a Ybhg`]b`dc`]hj\WU`d\]`cgcd\m
- $\& "5dd`md\]`cgcd\] WU``WcbW'dhg'hc`YI]gh]b[``UbX'dfcdcgYX'dc`]h]WU``]bgh]hi h]cbg$
- ' " 9j U`i UhY`h\Y`ghfYb[h\g`UbX`k YU_bYggYg`cZd\]`cgcd\]WU``UddfcUW\Yg`hc`dc`]h]WU``i b]cb`UbX`h\Y `]a]hg`cZ[cj Yfba Ybh
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HYUWX]b[GhfUhY[]Yg

H\Y'di fdcgY'cZh\]g'Wci fgY']g'hc'dfcj]XY'mci 'k]h\'U'gc`]X'[fci bX]b[']b'dc`]h\W'd\]cgcd\mh\fci [\'Ub Yb[U[Ya Ybhk]h\'_Ymh\]b_Yfg']b'h\Y'X]gW]d']bY"'H\Y'Wci fgY']g'ghfi Whi fYX'Ufci bX'k YY_'mfYUX]b[gž YWhi fYg'UbX'hi hcf]U'`X]gW gg]cbg"'9UW. k YY_'h\YfY'k]``bcfa U``m'VY'U'h\fYY!\ci f``YWhi fY 'Zc``ck YX'Vm'U'cbY!\ci f`X]gW gg]cb!VUgYX'hi hcf]U'"'5g'd\]cgcd\m]g'U'X]gW]d']bY'h\Uhj U'i Yg']bXYdYbXYbhei Ygh]cb]b[ž ghi XYbhdUfh]W]dUh]cb']g'YbWci fU[YX']b'Vch\'h\Y''YWhi fYg'UbX'hi hcf]U'g''@YWhi fYg'k]``'Wcj Yf'WYbhfU''h\Ya Yg UbX'Uf[i a Ybhg']b'dc']h]WU''d\]cgcd\mUbX'k]``'fY'UhY'h\Ya 'hc'h\Y]f'\]ghcf]WU''VUW_[fci bX"'Hi hcf]U'g'k]``'VY dfcV'Ya !VUgYX'UbX'k]``']bj c'j Y'`Uf[Y!'UbX'ga U'`![fci d'X]gW gg]cbg"'=b'h\Y'h hcf]U'g'k Y'k]``'Wcbg]XYf'h\Y WcbhYa dcfUfmfY'Yj UbW''cZh\Y'h\Ycf]Yg'UbX'dcg]hjcbg'gYhci h]b'h\Y'Wci fgY'fYUX]b[g"'Mci 'k]`''VY YI dYWhYX'hc'dfYdUfY'Zcf'WUgg'X]gW gg]cbg'VmWca d'Yh]b['h\Y'gYhfYUX]b[g"'6ma YUbg'cZh\Y'fYUX]b[gž UggYgga YbhhUg_g'UbX'[fci d'X]gW gg]cbg'mci 'k]``XYj Y'cd'mci f'UV]`]hmhc'fYUXž'UbU'mgYž'Wf]hjW]gYž'X]gW ggž UbX']bhYfdfYhd\]cgcd\]WU''hYI hg'''C b!`]bY'X]gW gg]cb'ZcfU'k]``'VY'gYhi d'YUW.'k YY_gc'h\Uhimci 'WUb WcbhJbi Y'hc'Yb[U[Y'k]h\h\Y']ggi Yg'cZh\Y'Wci fgYg'k]h\mci f'dYYfg"

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\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUft'''=\mathred{Image: Wa Jhmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ub'Y! hYbg]cb\mathred{Image: Wa Jhmci hYff'Y'y JUbhXcW a Ybhg\mathred{Image: Wa Uj''9! hYfbU''Gi ddcfhmci 'k]'`

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Ui hca Uh]\wU'`mfYW']j Y'U'h]\w_Yhbi a VYf\mathred{Image: hY'Yd\cbY'mci 'k]\tag{\text{"YYX'hc' gdYW}\mathred{Image: hYfgmghYa 'ghUh' g'cb'hk']hYf''}

Hi fb]h]b'U'gc'dfcj]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'ghUh' g'cb'hk']hYf''

; YbYfU``mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\W)``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`hYfbUhjj Y'gi Va]gg]cb'XYHJ]`g''

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