



7ci fgY Cj Yfj]Yk

GHJZZ7cbHJWh8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
A c\gYb'? U`UbHJf]	a c\gYb" U`UbHUf]4 i bgk "YXi "U i_	K YXbYgXUm%l' da	7]j]` 9b[]bYYf]b[6i]`X]b[fk&\$Ł'@YjY` &ž'Fcca 79&\$)	-' (, %%* &

GWXcc~7cbhJWh~abZcfa Uhlcb

<u>9b[]bYYf]b[:'Ghi XYbh'Gi ddcfh'GYfj]WYg'-</u>'H\Y'Bi WYi g'! 'Ybfc`a Ybhž'dfc[fYgg]cb'W\YW<u>g</u>ž'WUg\'fYei Yghgž Wci fgY']ggi Yg'cf'dfc[fUa!fY`UhYX'ei Yf]Yg'

9b[]bYYf]b[*\DXi glf]U``HfU]b]b[-- \DXi glf]U``lfU]b]b['ei Ygl]cbg'

LBGK Gh Xm5VfcUX - gh XmUVfcUX gh XYbhYbei]f]Yg flcf]bVci bX gh XYbhgŁ

I BGK '91 WXUb[Y'-ghi XYbhYl WXUb[Y'Ybei]f]Yg'flcf']bVci bX'ghi XYbhgŁ'

<u>LBGK : i hi fY Ghi XYbhg</u> - dchYbhJU `ghi XYbhYbei]f]Yg Y"["'UXa]gg]cbgž ZYYgž dfc[fUa gž WfYX]hHfUbgZYf

D\cbY.

fŽ*%%L'-',),)\$\$ - Bi WYi g Gh XYbh<i V

fŽ*%%&£'-',) '+**%'-'9b[]bYYf]b['=bXi ghf]U`'HfU]b]b['

fŽ*%%&L-',) " %+- '-1 BGK 'Gh Xm5VfcUX'UbX'I BGK '91 WXUb[Y'fZcf']bVci bX'gh XYbhgL'

7ci fgY 8YHJ] g

I b]hg cZ7fYX]h**

Gi a a UfmcZh\Y 7ci fgY

H\]g`Wci fgY`]blfcXi WYg`Wcbglfi Wf]cb`dfcWYggYg`UbX`Yei]da Ybh'' \(\delta\) Yfg`dfcWYggYg`fY`UhYX`hc`XYa c`]h]cbž YUfh\k cf_ž\Wcb\Yf]b[ž'UbX`hYa dcfUfm'UbX`dYfa UbYbhglfi Wfi fYg"`H\Y`Wci fgY`U`gc`Wcj Yfg`Wcbglfi Wf]cb Yei]da Ybh'UbX`Uggc\JUhYX`dfcXi Wf]cb`UbX`YWcbca]\Wg`a YUgi fYg"`\(\delta\) Yfg`YI \(\Omega\) Uh]cb`UbX``cUX]b[ž di g\]b[\(\delta\) UbX`\Ui \(\delta\) [z'UbX`\Z]b]g\]b[\(\delta\) Yei]da Ybh''H\Y`\Wci fgY`U`gc`X]g\W ggYg`gi ghU]bUV]`]\m\UbX`gUZY\m]b \(\omega\) Wcbglfi \(\omega\) [z'UbX`\Z]b]g\]b[\(\delta\) [z'UbX`\Z]b]g\]b[\(\delta\) [z'UbX`\Z]b]g\]b[\(\delta\) [z'UbX`\Z]b]g\]b[\(\delta\) [z'UbX\]b[\(\d

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H\Y`cVYWfjYg`cZh\]g`WcifgY`UfY`hc.

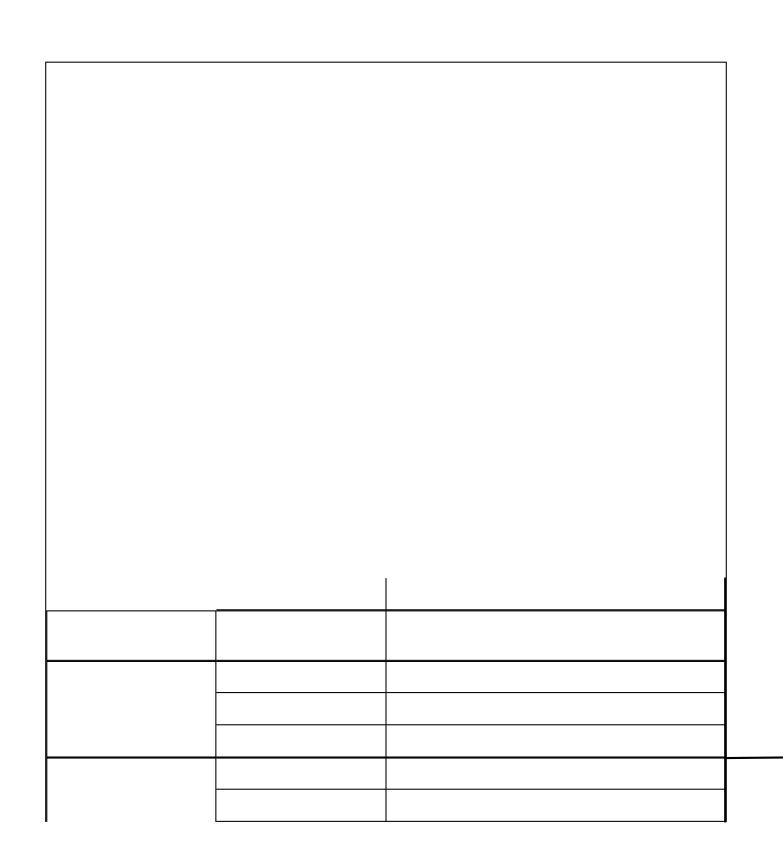
5ggYgga Ybh

5ggYgga Ybh'tUg_	K Y][\h	8iY'8UhY	7 ci fgY`@YUfb]b[Ci hWca Yg`5ggYggYX
%"; fci d'5gg][ba Ybh%)	' \$ <i>#</i> \$- #&\$&&`\$) .\$\$`DA	%ž''
&"`A]X!hYfa '91Ua]bUh]cb	&) ı	Bch5dd`]WUV`Y	%ž'&ž'' ž'(ž')
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:]bU``9I Ua]bUh]cb`]bWi XYg`h\Y`a UhYf]U``Wcj YfYX`Zfca `K YY_`) `hc`K YY_`%\$ž`]bWi g]j Y"`5 `a Uf_`cZUh``YUgh) \$i \]bUh]cb`]g`fYei]fYX`hc`dUgg`h\Y`Wci fgY"`H\Y`YI Ua]bUh]cb`k]```VY`cb`]bY"

<i fX`Y`fYei]fYa Ybh</pre>

5 a Uf_cZUhiYUgh) \$1 1]b h\Y Z]bUiYI Ua]bUh]cb]g fYei]fYX hc dUgg h\Y Wti fgY"



Gi Va]gg]cb cZ5ggYgga YbhHUg_g

D`YUgY`fYZYf`hc`h\Y`A ccX`Y`dU[Y`cZh\Y`Wci fgY`Zcf`Z fh\Yf`[i]XUbW\`cb`UggYgga Ybhigi Va]gg]cb"

I BGK `\Ug`U`ghUbXUfX``UhY`gi Va]gg]cb`dYbU`hmcZ

•)ı 'dYf'XUmž'Zcf'U``'UggYgga Ybhg'k \YfY'U'dYbU'hm'Udd`]Ygž'WUddYX'Uh'Zjj Y'XUmg'f1%&\$`\ci fg\z'UZhYf k\]WX'U'ghi XYbhWUbbchgi Va]h'Ub'UggYgga Ybhž'UbX'bc'dYfa]hhYX'j Uf]Uh]cb"

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

6Yk UfY "5 b 'Ugg][ba Ybhih Uh]bWi XYg 'd `U[]Uf]gYX 'a UhYf]U` 'k]```fYWY]j Y 'U`\$ı : U]`ž 'UbX 'ghi XYbhg 'k \c d`U[]Uf]gY 'UfY 'U`gc '`]UV`Y 'hc 'X]gW]d`]bUfm'UWf]cbž]bWi X]b[YI Wi g]cb 'Zfca 'Ybfc`a Ybh'

D`U[]Uf]ga `]g`h\Y`i gY`cZUbch\Yf`dYfgcb'g`k cf_`cf`]XYUg`Ug`]Zh\Ymk YfY`mci f`ck b"`K \Yb`]h`]g`bYWYggUfmcf XYg]fUV`Y`hc`i gY`ch\Yf`dYcd`Y'g`a UhYf]U``mci 'g\ci `X`UXYei UhY`mUW_bck `YX[Y`k \cgY`k cfXg`cf`]XYUg`h\Ym UfY`UbX`k \YfY`mci 'Zci bX`h\Ya 'f[]j]b['h\Y`Wca d`YhY`fYZYfYbWY`XYhU]`gž`]bWi X]b['dU[Y'bi a VYff'g\t\"H\Y @YUfb]b['7 YbhY'dfcj]XYg`Z fh\Yf`]bZcfa Uhcb`cb`k \UhWcbgh]hi hYg`D`U[]Uf]ga 'Uh

\hdg.#ghi XYbh'i bak "YXi "Ui #d`U[]Uf]aa

5WUX∤a]W±bZcfa Uh]cb

:]bU`'9| Ua]bUh]cbg.

:]bU`Y| Ua g`]b`H' `&\$&&`k]``VY`\Y`X`cb`]bY`VYlk YYb`&) h\`Bcj Ya VYf`!`, h\`8YWYa VYf`&\$&&`]bWi g]j Yž`UbX gi dd`Ya YbhJfmYl Ua g`VYlk YYb`-h\`!`% h\`>Ubi Ufm&\$&' `]bWi g]j Y"`Mci `UfY`fYei]fYX`hc`VY`Uj U]`UV`Y`cb h\YgY`XUhYg"`D`YUgY`Xc`bchhc`a U_Y`UbmdYfgcbU``cf`lfUj Y``UffUb[Ya Ybhg`Xi f]b[`f\]g`dYf]cX"`

57589A = 7.58J = 7.9

- ? YmGtUZkc '7 cbtUWiZcf '5 WUXYa]W5 Xj]WY flc[']b k]h mci f n=8 'UbX dUggk cfXt '\hdg.#|btfUbYtiWj Yb["i bgk "YXi "Ui # YmgtUZkc!WcbtUWtXi f]b[!mci f!gh X]Yg!Uhi bgk
- <u>? Yml_BGK__8 UhYg</u> ! Y["'7 Ybgi g 8 UhYžYl Ua_XUhYgž`UghXUmhc Xfcd U`Wci fgY k]h\ci h_UWUXYa_]W#Z|bUbW]U``]UV]`]hmYhW'
- 7 J 9B 'Gh' XYbh' ±bhfUbYhflc[']b'k]h\ mci f'n=8 'UbX dUggk cfXt- \hdg #\bhfUbYh'W\ Yb["i bgk "YXi "Ui #\h XYbh]bhfUbYh Gh' XYbh@ZY'Uh7 J 9Bž]bW X|bf-'Gh XYbh

GcWYhJYg.:\htdg.#kkk"i bgk"YXi"Ui#Yb[]bYYf]b[#Mj-}HUbXIYbj-]fcbaYbHU'!Yb[]bYYf]b[#ghiXYbH`]ZY

