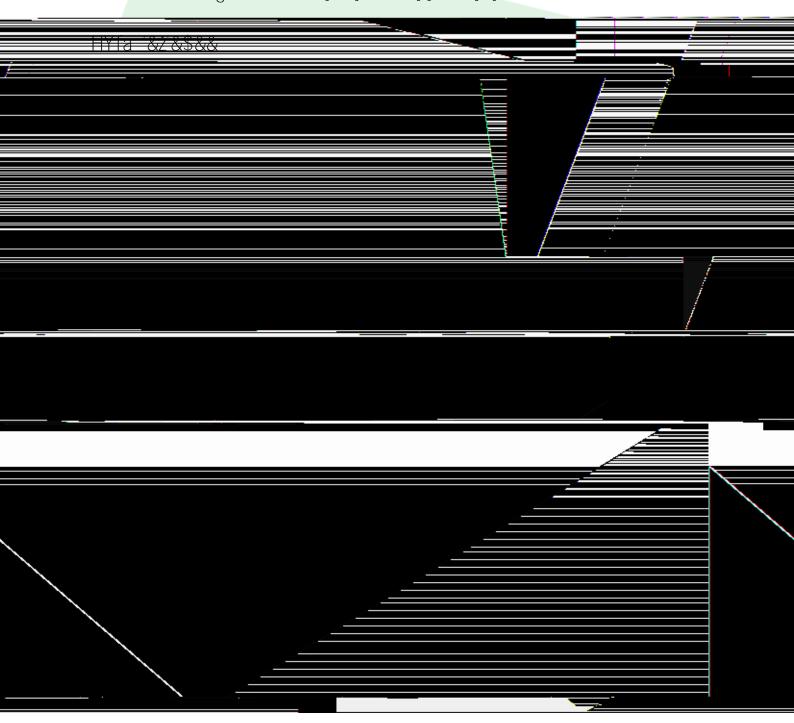


: i bXUa YbHJ`gʻcZ<i a Ub]HJf]Ubʻ9b[]bYYf]b[



7 ci fgY 8 YHJ]`g I b]hg cZ7 fYX]h** Gi a a UfmcZh\Y 7 ci fgY

'Dfc[fUa '=bhYbXYX'@YUfb]b['Ci hWca Yq D9%"%"7 ca dfY\Ybg]j Yž'h\YcfmVUgYX"i bXYfgHJbX]b['cZi bXYfd]bb]b['Z bXUa YbHJ`g D9% '? bck YX [Y'UbX D9%%7cbWdhiU`i bXYfgHJbX]b[cZi bXYfd]bb]b[a Uh\gžUbU`mg]gžgHJhJghJWgžWca di hJb[G_]`` 6 UgY D9%" -\d\\i\ i\ bXYfgHJbX]b[\cZgdYW]U\]ghVcX]Yg\cZ_bck\\YX[Y D9%"('8]gWfbaYbhcZ_bck`YX[Y'XYjY`cdaYbhUbX'fYgYUfWX'X]fYWfjcbg D9%") "? bck "YX[Y'cZYb[]bYYf]b["XYq][b'dfUWfW D9%"* I bXYfqHbX]b[cZqVcdYždf]bWjdYqžbcfa qžUVWci bHJV]]hjYqcZqi qHJbUVYYYb[]bYYf]b[dfUWNW/ D9&. '9 D9&"%5dd`]WUhjcb`cZYgHUV`]g\YX`Yb[]bYYf]b[a Yh\cXg`hc`Wca d`Yl `dfcV`Ya `gc`j]b[b[]bYYf]b['5dd D9&"&": `i Ybh'Udd`]WUh]cb'cZYb[]bYYf]b['hYVXb]ei Ygžhcc`g'UbX'fYgci fW/g `]WUh]cb 5 V]`]lm D9&" 5dd`]WUhjcb`cZgmghYa UhjWYb[]bYYf]b['gmbh\Yg]g'UbX'XYg][b'dfcWYggYg D9&"('5dd`)WUhjcb'cZgmghYa UhjWUddfcUWXYg'hc'hXY'WcbXi WhUbX'a UbU[Ya YbhcZYb[]bYYf]b[

5ggYgga Ybh

 $5\label{thm:condition} 5\label{thm:condition} 5\label{thm:condition} 1\label{thm:condition} \label{thm:condition} \label{thm:condition} \label{thm:condition} 1\label{thm:condition} \label{thm:condition} \label{thm:conditio$

5ggYgga Ybh'hUg_	K Y][\h	8iY'8UHY	7 ci fgY @YUfb]b[Ci hWca Yg 5ggYggYX
%" ⁻ DfYgYbhJh]cbg	&\$I	\$-#\$*#&\$&&`\$).\$\$`DA)
&"` <iaub]huf]ub`9b[]byyf]b[FYZYW]cb</iaub]huf]ub`9b[]byyf]b[' \$I	% #\$+#&\$&&`\$).\$\$`DA	%ž (ž *
' "'Dfc'YWiF Ydcfh'UbX'DcghYf) \$1	\$(#\$,#&\$&&`%&.\$\$`DA	%ž`&ž`'

5ggYgga Ybh% DfYgYbhUh]cbg

8i Y'XUhY. '\$-#\$*#&\$&&'\$).\$\$'DA

8YUX`]bY'Zcf'UVqc`i hY'ZU]`.': f]XUmK YY_'(

A Uf_g fYh fbYX. "&(h\ '>i bY

- 9 ZZYWIJ YbYgg cZdfYgYbHJIJcb a UhYf]U`g
- 5 V]]mhc WcbWjgYmUbX WYUfmUbgk Yf ei Yghjcbg

DYYf'UggYgga Ybhk]``Wti bh'Zcf'\%ı 'cZmci f'a Uf_ž'k]h\'YUW\'cZmci f'dYYfg'dfcj]X]b['Ub'Ubcbma ci g'a Uf_ci hcZ\%ž'Wtbg]XYf]b['th\Y'a Uf_]b['fi Vf]W

 $H\g`Ugg][ba\Ybh`fY`UhYg`hc`h\Y`Zc``ck]b[``YUfb]b[`ci H\can Yg`fgYY`Wci fgY`dfcZ]`YŁ`%"`8Ya cbghfUhYi bXYfgHJbX]b[`cZh\Y`df]bW]d`Yg`cZ<ia Ub]hUf]Ub`9b[]bYYf]b[`UbX`&"`8Ya cbghfUhY`\][\``Yj Y` Wca a i b]\WJh]cb`g_]``g`h\fci [\`YZZYWh]j Y`cfU``dfYgYbHJh]cb$

5ggYgga Ybh& <i a Ub]hUf]Ub 9b[]bYYf]b[FYZYWh]cb

5 ggYgga Ybh`Yb[h\. '%) \$\$ 'k cfXg 8 i Y`XUhY. '% #\$+#&\$&&`\$) .\$\$ 'DA 8 YUX`]bY`Zcf`UVgc`i hY`ZU]`. '`&\$#\$+#&\$&&`) .\$\$ 'DA A Uf_g`fYh fbYX. '`&+#\$+#&\$&&

 $H\[g] fYZYWf] Y\[d]YW\[cZkf] fhb [\ fYei\]fYg\[mci\ hc\ kf] hY\[ub\ YggUmcb\ hk\ Y\ g_]\[g]\[ub\ cddcfhi\ b] hYg\[hk\ Uhb\ YYX\ hc\ yy\]XYbh]ZYX\[ub\ Y\ ub\ Y\ yy\]b\[cfXYf\ hc\ kf] hY\[ub\ Y\ ggZl\ ``WUfYYf\[ug\ u'\ i\ a\ ub] hUf] ub\ Yb [\]bYYf\[ub\ Y\ ggUmmci\ gk\ i\ x'\ yy\ ggUmmci\ gk\ i\ x'\ yy\ ggZl\ ``WUfYYf\[ug\ u'\ i\ a\ ub] hUf] ub\ Yb [\]bYYf\[ub\ Y\ ggUmmci\ gk\ i\ hk\ Y\ gg\ g'\ b'\ y'\ g'\ hv\ g'\ b'\ g'\ g'\ hv\ g'\ b'\ g'\ hv\ g'\ g'$

H\]g`Ugg][ba Ybh]g`gi Va]hhYX`h\fci [\'Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b`g]a]`Uf]hmfYdcfhg"

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H\Y'fYZYWhcbg'k]``'VY'UggYggYX'UWWcfX]b['hc.

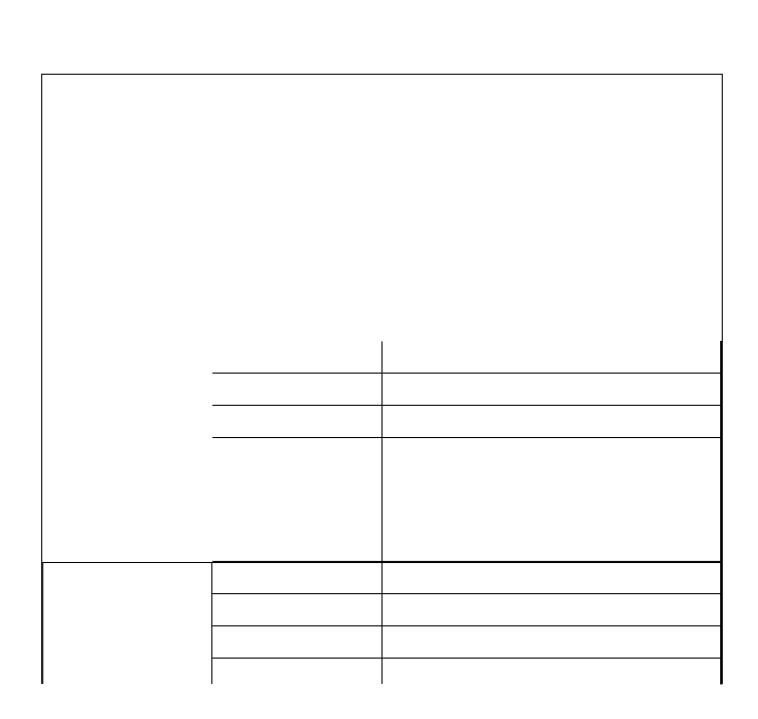
- WUf]micZfYZYWf]cb
- Wcbg]XYfUh]cb cZfY`UhYX YI hYfbU`a UhYf]U`Ug'Yj]XYbW
- XYdh\ cZfYZYWgcb UbX fY Yj UbW cZX]gW gg]cb
- 'Uk UfYbYgg'cZi bXYf'm]b['Uggi a dh]cbg
- k f]h]b[ei U`]miUbX dfYgYbhUh]cb"

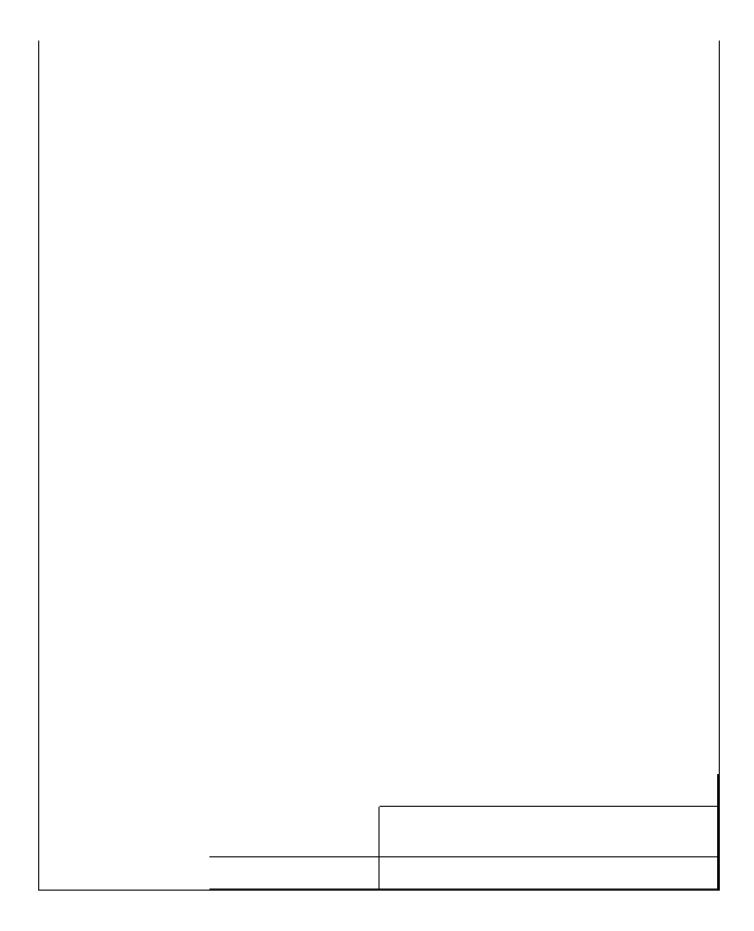
5XX]h]cbU`XYhU]`g

Hc``YUfb`a cfY`UVci hfYZYWIjcb`YggUmg`j]g]h\hdg.##ghi XYbh'i bgk "YXi "Ui #fYZYWIjjY!k f]hjb[`

5ggYgga Ybh' . Dfc YWhF YdcfhUbX DcghYf

5ggYgga Ybh``Yb[h\.'&)!' \$'dU[Yg 8i Y`XUhY. C f[Ub]gUh]cbži gY h\Y \YUX]b[g hc \Y`d fYUXYfg Z]bX k \Uhh\YmffY `cc_]b[Zcf. 7 cbhYl hžcV YWfj Yž]a dUWž WcbWi g]cbgžYhW 5 Wc`i a bUf Zcfa Uh\Y`dg hfUZ]WZck]b U Wfck XYX dcghYf gYgg]cb"





FYgci fWfg

DfYgWf]VYX F Ygci fWYg

D`YUgY`gYY`Wci fgY`dU[Y`cb`A ccX`Y

FYWca a YbXYX FYgci fWYg

D`YUgY`gYY`Wci fgY`dU[Y`cb`A ccX`Y

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

A m91 df]YbWY fYgi `hg`UfY`fYj]Yk YX`UhYbX`cZhYfa `UbX`i gYX`hc`]a dfcj Y`Wci fgY`Zcf`XY`]j Yfmih\Y`Zc``ck]b[mYUf''

5 WUXYa]W = b Zcfa Uh cb

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

:]bU`YI Ua g`]b'H&'&\$&&'k]``VY`\Y`X'cb`]bY'VYlk YYb'%kh\'!'&) h\'5i [i gh'&\$&&']bWi g]j Yž'UbX gi dd`Ya YbhUfmYl Ua g'VYlk YYb') h\'!'- h\'GYdhYa VYf'&\$&&']bWi g]j Y"'Mci 'UfY'fYei]fYX'hc'VY'Uj U]`UV`Y'cb h\YgY'XUhYg"'D`YUgY'Xc'bch'hc'a U_Y'UbmdYfgcbU``cf'hfUj Y``UffUb[Ya Ybhg'Xi f]b['h\]g'dYf]cX"'

57589A = 7.58J = 7.9

- ? YmiGtUZztc '7 cbtUWiZcf '5 WUXYa]W5 Xj]WY flc[']b 'k]th 'mci f 'n=8 'UbX dUggk cfXt '\text{htdg.#|btfUbYtiW| Yb["i bgk "YXi "Ui # YmlgtUZItc!WcbtUWiXi f]b[!mci f!gti X]Yg!Utli bgk
- <u>? Ymil_BGK_'8 UhYg</u>'! Y["'7 Ybgi g'8 UhYžYI Ua 'XUhYgž``UghXUmhc 'Xfcd'U'Wci fgY'k]h\ci h UWUXYa]\#Z|bUbW]U```]UV]`]miYhW''
- 7 J 9 B "Ghi XYbhi=bhfUbYhflc[']b k]h\ 'mci f'n=8 'UbX dUggk cfXŁ '\hdg.#|bhfUbYh'W| Yb["i bgk "YXi "Ui #ahi XYbh]bhfUbYh'
- Gh XYbh@]ZY Uh7J 9Bž]bW X]b['Gh XYbh GcW]Yh]Yg. '