Df]cf]h]nY`EiU`]hm`CjYf`EiUbh]hm Jc`ig]U/ _ \$' - /g`; fck h\`7cbWYfbg I bjY]`YX

9I d`cfY`h\Y`W\U``Yb[Yg`ZUW]b[`Jc`ig]U`7cibhm`Ug`fYg]XYbhg WU```Zcf`df]cf]h]n]b[`eiU`]hm`cjYf`eiUbh]hm`]b`XYjY`cdaYbh Ua]Xgh`[fck]b[`WcbWYfbg`cjYf`Ybj]fcbaYbhU``]adUWh`UbX \cig]b[`g\cfhU[Yg"



8 Umhc b U '6 Y UW ž'J c`i g]U '7 ci b hmž': `cf]X Už'I G5 '! ⊕ fY W bh X]gW gg]cbg UVci hXYj Y`cda Ybh']b J c`i g]U 7 ci bhmž Wcb W fbg \Uj Y 'VYYb fU]gYX UVci h'h\Y 'W ffYbh'hfU 'Y W cfm cZ'd`Ubb]b['UbX [fck h\"'5 ``YhhYf'hc'h\Y'YX]hcf']b '6 Y UWcb 'C b`]bY 'WUdhi fYg'h\Y Zfi ghfUh]cbg cZ'fYg]XYbhg fY[UfX]b['h\Y'UddfcUW 'hU_Yb 'Vm'h\Y Wci bhm Wci bW]``UbX'h\Y'd`Ubb]b['XYdUfha Ybh"'H\Y'Ui h\cf YI dfYggYg`]bWfYUg]b['X]ggUh]gZUWh]cb'k]h\'k \Uh'ZYY`g``]_Y`U ZUj cf]h]ga 'hck UfX'fYU``YghUhY'XYj Y`cdYfgž'Uh'h\Y'YI dYbgY'cZ'h\Y Ybj]fcba Ybh'UbX'Wca a i b]hm'k Y``VY]b["'7\fcb]WZ'ccX]b['UbX i bfY[i `UhYX'[fck h\'UfY'VYWca]b['dfYgg]b[']ggi Ygž'Ug'bYk XYj Y`cda Ybhg`YUX'hc'h\Y'XYghfi Wh]cb'cZ`cWU`'k ccX`UbXg'UbX'U $UW_cZ^h ci[\Lambda z^-) bXgWUdb[UbX^k UhYf^YhYbh]cb^dfUWh]WYg^-$

H\Y`Wf]h]W]ga `XcYgb h'A gh`ghcd`Uh`UYgh\Yh]Wg"`H\Y``YhhYf`\][\`][\hg U`hfYbX`k \YfY``ck !ei U`]hm`UdUfha Ybhg`gdfci h`]b`UfYUg``]_Y 8UmhcbU`6YUW\`UbX`BYk `Ga mfbU`6YUW\ž`fU]g]b[`U`Ufa g`Ua cb[fYg]XYbhg`k \c`df]cf]h]nY`fYgdcbg]V`Y`[fck h\`dc`]W]Yg"`K]h\`U`bcX hc`h\Y`f]g]b[`\ci g]b[`g\cfhU[Yž`h\Y`Ui h\cf`]bg]ghg`h\Uh`ei U`]hm g\ci `X`hU_Y`dfYWYXYbWY`cj Yf`ei Ubh]hmž`gi [[Ygh]b[ž`ei]hY UggYfh]j Y`mž`h\Uh`U`a cfUhcf]i a `cb`bYk `XYj Y`cda Ybh`a][\h`YY h\Y`bYWYggUfm`Wci fgY`cZ`UWh]cb`hc`a]h][UhY`h\Y`cb[c]b[`]ggi Yg`cZ \][\`]bgi fUbWY`fUhYg`UbX`hfUZZ]WWcb[Ygh]cb"

K \Uhg`6Y\]bX`H\YgY`7cbWYfbg3

H\Y`Zfi ghfUh]cbg`YI dfYggYX``cWU``m`UfY`bch`i b]ei Y`hc`Jc`i g]U 7ci bhm"`5g`bchYX`Vm`I fVUb`@UbX`=bgh]hi hYž'W]h]Yg`UWfcgg`h\Y`I "G" UfY`[fUdd`]b[`k]h\`\][\`\ca Y`df]WYgž`\ci g]b[`gY[fY[Uh]cbž'UbX h\Y``cca]b[`h\fYUh`cZ'W]a UhY`W\Ub[Y"`A Ubm`Wca a i b]h]Yg`UfY mYUfb]b[`Zcf`]a dfcj Ya Ybhg`h\Uh`Vf]b[`UWWYgg`hc`hfU]`gž'ZfYg\ ZccXž'UbX`ei U`]hm`cdYb`gdUWYg"`<ck Yj Yfž`ci hXUhYX`ncb]b[dc`]W]Yg`cZhYb`UWh`Ug`fcUXV`cW_g`cb`h\Y`dUh\`hc`]bbcj Uh]cb"

ZUWhžil fVUb @UbX # agh]hi hY fYj YU`g`h\Uhi d`hc`,)ı `cZ`fYg]XYbhg Wcbg]XYf`dfcl]a]hm`hc`dUf_g`UbX`fYWfYUh]cb`j]hU``]b`h\Y]f``]j]b[XYW]g]cbg"`MYhžYI]gh]b[`ncb]b[``Uk g`\]bXYf`fYg]`]YbWY`UbX gi ghU]bUV`Y`XYj Y`cda Ybhž`WU``]b[`Zcf`i f[Ybh`i dXUhYg`h\Uh`[Uh\Yf Wca a i b]hm`]bdi h`UbX`fYgdYWh``cWU``df]cf]h]Yg"`Gi W\`fYZcfa g`Wci `X g][b]Z]WUbh`m`UXXfYgg`h\Y`UZcfYa Ybh]cbYX`W\U``Yb[Yg`Vm dYfa]hh]b[`X]j YfgY`\ci g]b[`cdh]cbg`UbX``ck Yf]b[`XYj Y`cda Ybh Wcghgž`U```k \]`Y`dfca ch]b[`hfUbg]h!cf]YbhYX``]j]b["

Ncb]b['Dc`]W]Yg'UbX'9bj]fcba YbhU` 7cbWYfbg

I bXYfghUbX]b[`h\Y`]a d`]WUh]cbg`cZ`ncb]b[`cb`\cig]b[UZZcfXUV]`]hm`XfUkg`UhhYbh]cb`hc`gcaY`cZ`h\Y`acfY`gmghYa]W dfcV`Yag`Uh`d`Um"`H\Y`BUh]cbU``5ggcW]Uh]cb`cZ`<cig]b[`UbX

=b`gi a a Ufmž'Ug`k Y`ghf]j Y`Zcf`fYgdcbg]V`Y`[fck h\ž``Yhg fYa Ya VYf. ei U`]hmg\ci `X`]bXYYX`hU_Y`dfYWXXbWY`cj Yf ei Ubh]hm"'<c`X]b[``cWU``cZZ]W]U`g`UVWci bhUV`Y`UbX`WU``]b[`Zcf]bhY``][Ybh'ncb]b['fYZcfa']q'dUfh'cZ'h\Y'k Um'Zcfk UfX"'@Yhq UXjcWUhY Zcf'd`Ubb]b['h\Uh'jU`i Yq'Vch\ 'h\Y``UbX'k Y``cjY'UbX'h\Y Zi hi fY k Y Ugd [fY hc W h] UhY"

H\Y'W\U``Yb[Yg'kY'ZUWY']b'Jc`ig]U'UbX'VYmcbX'UfY'a i`h]ZUWYhYXž]bhYfhk]b]b['d`Ubb]b['dc`]WYg'k]h\ 'Ybj]fcba YbhU``UbX gcWU``k Y``! VY]b["'5g'Wcaaib]h]Yg'`cc_'Zcf'gYbg]V`Y'gc`ih]cbgž']hg'WYUf'h\Uh Vch\``cWU``UbX`ghUhY``YjY``YUXYfg\]d`d`Um`WfiW]U``fc`Yg`]b ZUW]`]hUh]b['h\]g'WcbjYfgUh]cb" Dfcach]b['U'acfY']bWig]jY UddfcUWX ']b'ncb]b['Wci `X'cdYb'Xccfg'hc'X]j YfgY'\ci g]b[ž]a dfcj Y Ybj]fcba YbhU`fYg]`]YbWYžUbX dfca chY Wca a i b]hm $YU^{T} =$

$@cc_]b[HckUfXhY:ihifY]$

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#hgigi fdf]g]b['Vi hi]bg][\hz] ``hc`bchY`h\UhžUg`cZ'&\$&%z`\ca Y`df]WYg gi f[YX`Vm`bYUf`m`&\$ı ž`k]h\`g]a]`Uf`gd]_Yg`]b`fYbhž``YUj]b[`a Ubm ZUa]`]Yg`]b`U`d]bW\"`5`ghU[[Yf]b[`+\$i `cZ`fYg]XYbh]U``UfYUg`]b a U^cf`Wih|Yg`]a dcgY`fYghf]Wh]cbg`h\Uh`Wcbhf]Vi hY`hc`h\Y`cb[c]b[\cig]b['UZZcfXUV]`]hm'Wf]q]q"'6m'U``ck]b['Zcf'UX^i gha Ybhq'gi W\'Uq Y`]a]bUh]b['g]b[`Y!ZUa]`mincb]b['UbX']bWfYUg]b['XYbg]hmibYUf hfUbg]hž'Uddfcdf]UhY'ncb]b['fYZcfa g'Wci `X'`YUX'hc'U'a cfY Yei]hUV`Y`X]ghf]Vi h]cb`cZfYqci fWYgždcg]h]j Y`mfYg\Ud]b[

FYXYjY`cda Ybh'CZZWU`q'dc]bhq'ci h'h\Uh'fYqhf]Wh]jY'ncb]b['`Uk q \]ghcf]WU``m`]bZUhY`dfcdYfhm`df]WYg`k \]`Y`g]a i `hUbYci g`m gei YYn]b['h\Y'gi dd`mcZ'UZZcfXUV`Y'\ci g]b["'7i ffYbh'ncb]b[dfUWh]WYg'dYfdYhiUhY'bch'igh'YWcbca]W]bYeiU`]hmž'Vih'U`gc'fUW]U` qY[fY[Uh]cbžYa d\Uq]n]b['h\Y'dfYqq]b['bYYX'Zcf'fYZcfa "

8 Y hU]`g	
	I G5
EiY``Yb	• k k k "VYUWcbcb`]bYbYk g"Wca
	• ifVUb`UbX"i`]"cf[
	• k k k "bU∖fc"cf[

6Ygi WXYb'G]Y'i bg'Ui Z.'a Y]b!k]Yb"bYh