## Bcfh\j]Yk; $fUXiUhYgG\]bYk]h\666$ 9h\]WgGW\c`Ufg\]dgK cfh\'`% $\sharp$ \$\$

Hk c'Bcfh\j]Yk'<][\'GW\cc`'[fUXi UhYg'Zfca '9gWUa V]U7ci bhmž'7c`hcb'7f]gk Y``'UbX'A UXX]Y'A UY'8f]g\_Y``ž'fYWY]j Y &\$&) '666'Ghi XYbh'9h\]Wg'GW\c`Ufg\]dg'Zcf'h\Y]f']bhY[f]hm UbX'`YUXYfg\]d"



9gWJa V]U·7ci bhmž: `cf]XUžI G5 !! H\Y·6YhhYfi6i g]bYgg·6i fYUi f666ŁgYfj ]b[ Bcfh\k Ygh: `cf]XU·]g·a U\_]b[ k Uj Yg·]b·h\Y YXi WJh]cbU``Wca a i b]hm·k ]h\ ]hg·fYWYbh·Ubbci bWYa Ybh·cZ·h\Y fYW]d]Ybhg·Zcf·h\Y·&\$&) ·666 Ghi XYbh·9h\]Wg·GW\c`Ufg\]dg" →b·U dfci X·a ca Ybh·Zcf·9gWJa V]U·7ci bhmž·hk c·ghUbXci h·ghi XYbhg·Zfca Bcfh\j ]Yk '<][\'`GW\cc` 7c`hcb·7f]gk Y```UbX·A UXX]Y·A UY 8f]g\_Y`` \Uj Y·VYYb·\cbcfYX·k ]h\ h\]g·dfYgh][]ci g·gW\c`Ufg\]d" 6ch\ [fUXi UhYg·a UXY·U·a Uf\_k]h\]h\]h\Y]f·YI Ya d`Ufm·W\UfUWhYf UbX·]bhY[f]hmž·YUfb]b[ 'fYWc[b]h]cb·]b·U·Wca dYh]h]j Y·gY`YWh]cb dfcWygg"

 $H\ Y\ Y\ h\ ]Wg\ gW\ c\ Ufg\ ]d\ g\ U]a\ hc\ \ ][\ \ \ ][\ \ h\ h\ Y\ ]a\ d\ c\ fhUb\ WY\ c\ Z$ 

dYfgcbU``W\UfUWhYf`Uacb[`\][\`gW\cc``gYb]cfg`]b`h\Y:``cf]XU
DUb\UbX`Y g`Yl dUbg]j Y`%(!Wci bhm`gYfj ]WY`UfYU"`5g`<mark>Bcfh\\
9gWUaV]U</mark>`fYdcfhgž`fYW]d]Ybhg`UfY`W\cgYb`VUgYX`cb`j Uf]ci g
Wf]hYf]U`]bWi X]b[``YUXYfg\]dž'Wcaaib]hm`gYfj ]WYž'UbX`UWUXYa]W\]ghcfm"`5b`]bXYdYbXYbh`dUbY``cZ'\X[Yg`WUfYZi```m`Yj U`i UhYg
h\YgY`UgdYWhg`hc`gY`YWh`XYgYfj]b[`WUbX]XUhYg"

## 7Y`YVfUh]b[ 8]`][ YbWY UbX =bhY[ f]hm

 $H\Y gWX c`Ufg\] d`YUWX fYW] d]Ybh`fYWY] j Yg`Ua ci bhg`hc`` \%ž\$\$ž k \] WX`WUb`VY`i h]`]nYX`Zcf`h\Y]f`WXc]WY`cZ`Wc``Y[Yž'hfUXY`gWX cc`ž i b]j Yfg]hmž'cf'j cWUh]cbU``gWX cc`"`H\]g`Z]bUbW]U``Vccgh`]g`a cfY`h\Ub '\ gh`a cbYhUfm']h`gYfj Yg`Ug`U`hf]Vi hY`hc`h\Y]f`\UfX`k cf_`UbX XYX]WUh]cb"`H\Y`666 g`]b]h]Uh]j Y`bch`cb`m`fYk UfXg`ghi XYbhg`Vi h dfca chYg`U`W'`hi fY`cZ`]bhY[f]hm`UbX`Yh\]WU``VY\Uj ]cf`]b YXi WUh]cb"`5ZhYf`U``ž`Ug`bchYX`]b`h\Y`XYhU]`g`Zfca `666`=bhY[f]hm : ci bXUh]cb``5ZhYf)b[`Yh\]Wg`]b`h\Y`a Uf_Yhd`UWY`VY[]bg`k]h\`h\Y`mci h\`cZ'hcXUm"$ 

 $\label{thm:condition} \begin{align*} \begin{align*} \begin{align*} \begin*{Align*} \begin*{A$ 

## A $cfY'H\Ub' > gh'U'GW\c`Ufg\]d$

H\Y'666 g'Ghi XYbh'cZ'±bhY[f]hm'GW\c`Ufg\]d'dfc[fUa 'gYY\_g'hc W `h]j UhY'U'[YbYfUh]cb'cZ'Yh\]WU``m!a ]bXYX']bX]j ]Xi U`g''Gi ddcfhYX Vm'h\Y'VcUfX'cZ'X]fYWhcfg'Uh'h\Y'666 g'±bhY[f]hm': ci bXUh]cbž'h\]g dfc[fUa 'Ya d\Ug]nYg'h\Y'\_Ym'j U`i Yg'cZ'`YUXYfg\]dž'Wca a i b]hm gYfj ]WYž'dYfgcbU`']bhY[f]hmž'UbX'UWUXYa ]WUW\]Yj Ya Ybh''5g ghi XYbhg'bUj ][UhY'h\Y]f'UWUXYa ]WWUfYYfgž'h\]g'fYWc[b]h]cb'\Y`dg h\Ya 'hc'WUffm'Zcfk UfX'h\cgY'j U`i Yg']bhc'h\Y]f'Zi hi fY'YbXYUj cfg''

 $5dd`]WUh]cbg`Zcf`h\Y`gW\c`Ufg\]d`UfY`cb`m`cdYb`hc`\][\`gW\cc`gYb]cfg`[fUXiUh]b[`]b`Gdf]b[`&$&) "`Hc`VY`Y`][]V`Yž`WUbX]XUhYg$ 

a i gh'd`Ub'hc'Wcbh]bi Y'h\Y]f'YXi WUh]cb'Uh'Ub'UWWfYX]hYX'Wc``Y[Y'cf]bgh]hi h]cb"'H\]g'fYei ]fYa Ybh'i bXYfgWcfYg'h\Y'666 g'Wca a ]ha Ybh hc'bch'i gh'fYk UfX]b['ghi XYbhg'Vi h'Ybgi f]b['h\Ym'\Uj Y'h\Y Zci bXUh]cb'bYYXYX'hc'h\f]j Y']b'\][\Yf'YXi WUh]cb'UbX'VYmcbX"

?i Xcg'hc'7c`hcb'7f]gk Y``'UbX'A UXX]Y'A UY'8f]g\_Y``'Zcf'h\Y]f
UW\]Yj Ya Ybhg''H\Y]f'XYX]WUh]cb'gYfj Yg'Ug'Ub']bgd]f]b['Yl Ua d`Y
Zcf'h\Y]f'dYYfg'UbX'U'[Ybh`Y'fYa]bXYf'cZ'h\Y'dfcZci bX']a dUWh
h\Uh'W\UfUWhYf'UbX']bhY[f]hm'WUb'\Uj Y']b'ci f'Wca a i b]h]Yg''' \( \daggerau \)
k ci `X'VY'k]gY'Zcf'U``'ghi XYbhg'hc'`YUfb'Zfca 'h\Y]f'Yl Ua d`Y'UbX
ghf]j Y'hc'Ya VcXm'h\YgY'j U`i Yg'Ug'h\Ym'Ya VUf\_'cb'h\Y]f'ck b
YXi WUh]cbU``'ci fbYmg"

8 YhU]`g	
Cfh	9gWUa V]U 7ci bhmž: `cf]XUž'I G5
EiY``Yb	• k k k "bcfh\ YgWUa V]U"Wca
	<ul><li>Zi bXgX][ Ygh"Wca</li></ul>
	<ul><li>k k k "VVV]bhY[f]hmZcibXUh]cb"cf[</li></ul>

6 Ygi W Yb 'G]Y 'i bg 'Ui Z 'a Y]b!k ]Yb "b Yh