C]`Yfg': U```G\cfh']b'Cj Yfh]a Y'H\f]``. DUbh\Yfg'H]Y'GYf]Yg'%!%°



: `cf]XUž'I G5 !! 5 ZhYf'U'h\f]``]b['g\ck Xck b'cb' \Rightarrow bY' + ž'&\$&) ž'h\Y B < @:]bU`g'UfY'\YUh]b['i d'Ug'h\Y'gYf]Yg'bck 'ghUbXg'h]YX'Uh'%!%" \Rightarrow 'U'bU]`!V]hYf'cZ'U'gYWcbX'[Ua Yž'6fUX'A UfW\UbX'gWcfYX'h\Y XYW]g]j Y'[cU`'Zcf'h\Y': `cf]XU'DUbh\Yfg'Xi f]b['h\Y'gYWcbX cj Yfh]a Yž'W]bW\]b['U') !('j]Whcfm'cj Yf'h\Y'9Xa cbhcb'C]`Yfg"' \Rightarrow h k Ug'U'WUgg]Wa UhW\Z]``YX'k]h\'XfUa Už'g\ck WUg]b['1 gh'\ck h][\h`m'WcbhYghYX'h\]g'W\Ua d]cbg\]d'gYf]Yg']g'hi fb]b['ci h'hc'VY" A YUbk \]`Yž'h\Y'`YU[i Y g'ZUbg'UfY'`YZh'Vi nn]b['UVci h'k \Uh'; Ua Y''a][\h'Vf]b["

8i f]b['h\Y'Z]fgh'dYf]cX'cZ'; Ua Y'&ž'9Xa cbhcb g'@Ycb'8fU]gU]h`bYhhYX'\]g'h\]fX'[cU``cZ'h\Y'Z]bU`gž'dfcj]X]b['\]g'hYUa 'k]h\'U'Vf]YZ&!%``YUX"'<ck Yj Yfž'Ug'h\Y'[Ua Y'k Ybh'cbž'Vch\'g]XYg'g\ck WUgYX

FYZYWh]cbgZfca hY = WY

BchUV`mž'j YhYfUb`Zcfk UfX`7cfYm'DYffm'fYZYWhYX`cb`h\Y`a]ggYX cddcfhi b]h]Yg'h\Uh`\Uj Y`di bWhi UhYX`h\Y`gYf]Yg'h\i g`ZUf''`< Y `Ua YbhYX`h\Uh`h\Y`hYUa` bYYXg`hc`WUd]hU`]nY`cb`W\UbWYgž\]bh]b[`Uh`U`g\UfYX`gYbgY`cZi f[YbWm'Ua cb[`h\Y`d`UmYfg`hch][\hYb'h\Y]f`[Ua Yd`Um''H\Y`DUbh\Yf g`fYg]`]YbWY`]g`U`hYghUa Ybh hc`h\Y]f`hYbUW]hm`Ug`h\Ym`UXUdh`UbX`cj YfWca Y`]b`\][\!dfYggi fYg]hi Uh]cbg`k]h\`YUW\`dUgg]b[`[Ua Y''

@cc_]b['5\YUX

 $\label{thm:linear:conditional} H\Y'bYIhighYd'Zcf'Vch\'hYUa~g']g';~Ua~Y''~\check{z}'gW\YXi~`YX'Zcf'A~cbXUm~Uh',~id"a~"'9H'f&'U"a~"'79H'cb'Hi~YgXUm''':~Ubg'WUb'WUhW\'h\Y~lbhYbgY'UWh]cb'j~]U'j~Uf]ci~g'd`UhZcfa~gž']bWi~X]b[~B<@'hj~\check{z}'G_m'Gdcfhž~UbX'A~mGdcfhg'''5g'YUW\'g]XY'ghi~X]Yg'h\Y]f'ghfUhY[~]Ygž~YI~dYWhUh]cbg'fi~b'\][~\'Zcf'Ubch\Yf'h\f]``]b[~YbWci~bhYf'''K~]h\'U~gYf]Yg'h\]g'WcgYž']h~g'UbmcbY~g'[~Ua~Yž'UbX'Vch\'h\Y'DUbh\Yfg'UbX~h\Y'C]`Yfg'k~]``'VY'`cc_]b[~hc'gY]nY'h\Y'a~ca~Ybh'''<c\W_Ym~$

FYZYfYbWY 'dfcj]XYg'U'XYhU]`YX'cj Yfj]Yk 'cZ'h\Y'd`UmcZZgž fYj YU`]b[''' gh'\ck 'Wca dYh]h]j Y'h\]g'mYUf g'Z]bU`g'\Uj Y'VYYb"

 $5g^{\circ}h Y^{\circ}d^{\circ}Umc^{\circ}ZZ^{\circ}fUWY^{\circ}Wc^{\circ}bh]bi Ygz^{\circ}]h g^{\circ}Yj]XYbh^{\circ}h Uh^{\circ}Yj Yfm^{\circ}[cU^{\circ}z^{\circ}Yj Yfm^{\circ}gUj Yz^{\circ}UbX^{\circ}Yj Yfm^{\circ}a]bi hY^{\circ}cb^{\circ}h Y^{\circ}]WY^{\circ}a UhhYfg^{\circ}H YfY g^{\circ}gca Yh^{]b[^{\circ}hc VY^{\circ}gU]X^{\circ}Zcf^{\circ}h Y^{\circ}fYg]^{\circ}]YbWY^{\circ}X]gd^{\circ}UmYX^{\circ}Vm^{\circ}Vch^{\circ}hYUa gz^{\circ}UbX^{\circ}Ug^{\circ}ZUbg YU[Yf^{\circ}m^{\circ}Uk U]h^{\circ}h Y^{\circ}bYI h^{\circ}a UhW^{\circ}i dz^{\circ}cbY^{\circ}h^{\circ}]b[^{\circ}]g^{\circ}WYfhU]b.^{\circ}h Y$ YI W]hYa Ybh^{\c}Z^{\circ}h Y^{\circ}B < @:]bU^{\c}g^{\circ}]gb h^{\c}[c]b[^{\circ}Uk Um^{\circ}Ubmh]a Y^{\circ}gccb^{\c}

8 YhU]`g	
Cfh	: `cf]XUž'l G5
Ei Y``Yb	• k k k "b\`"Wca
	• k k k "Ygdb"Wca
	• k k k "\cW_Ym!fYZYfYbWY"Wca

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