$8 \ YGUbh]g'UbX'Ga]h\ G_]d'GhUb`Ym'7idK U[Yf.K\]g_]Yg'IbUjU]`UV`Y°$



 $HU``U\ UggYY\check{z}: `cf]XU\check{z}'I \ G5'!'5g'h\ Y'GhUb`Ym'7i \ d'Z]bU`g UddfcUW\&\check{z}'YI W]hYa Ybh']g'dU`dUV`Y'Ua cb['ZUbg'cZ'Vch\ 'h\Y': `cf]XU DUbh\ Yfg'UbX'h\ Y'9Xa cbhcb'C]`Yfg'''H\]g'mYUfž'\ck Yj Yfž']h'gYYa g : `cf]XU'; cj Yfbcf'Fcb'8YGUbh]g'UbX'5`VYfhU'DfYa]Yf'8Ub]Y``Y Ga]h\ `\Uj Y'XYW]XYX'bch'hc'fYbYk 'h\Y]f'`][\h!\YUfhYX'k U[Yf'cb h\Y'ci hWca Y'cZ'h\Y'gYf]Yg'''@Ugh'mYUfž'UZhYf'h\Y'DUbh\Yfg a UbU[YX'hc'XYZYUh'h\Y'C]`Yfgž'8YGUbh]g'k Ug'hfYUhYX'hc'U gY`YWh]cb'cZ'7UbUX]Ub'k \]g_]Ygž']bWi X]b['<][\k ccX'8]gh]``Yfm g Gk YYh'G]dd]b'Cf][]bU``A Ud'Y'K \]g_m'UbX'9Ui '7`U]fY'8]gh]``Yfm g 7UbUX]Ub'FmY'K \]g_m''6i h'U`Ugž'UWWcfX]b['hc'K YghYfb'K \YY`žh\Y'Zf]YbX`m'[Ua V`Y'k cb h'VY'WUff]YX'cj Yf'hc'h\]g'mYUfž'U'dc]bh WcbZ]fa YX'Vm'Ga]h\ ']b'Ub']bhYfj]Yk'k]h\ h\ Y'BUh]cbU``Dcgh''$

 $H\[g'h]\[a\] Y'UfcibX\[b\] Y'DUbh\[Yfg'UfY'gYY_]\[b['h\]Y]\[f'gYWcbX \\ WcbgYW'h]\[j\] Y'GhUb`Ym'7id'j\] Whcfm\[equiv'VicmYX'Vm'h\]Y]\[f'fYWVbh'hf]\[i\] a d\[cj\]Yf'h\]Y'7Ufc`]\[bU'<iiff]\[wUbYg'k]\[h\] U'gWcfY'cZ')!'\[equiv'Z'a\]Uf_]\[b['h\]Y']\[f'fY'WcbgYW'h]\[j\]Y'hf]\[d'h\]Y'Z]\[bU`g''7cadUfUh]\[j\]Y`m\[equiv'h\]Y'C]`Yfg cighYX'h\Y'8U``Ug'GhUfg'*!' 'hc'gYW'fY'h\Y]\[f'd`UWYaYbh\[equiv'a\] U'b[']\[h\] h\Y]\[f'gYWcbX'Z]\[bU`']\[b'U'fck'''H\Y'DUbh\Yfg'dfYj]\[cig`m'']ZhYX'h\Y hfcd\m']\[b'&&&(\[equiv'a\]Yfg']\[b'U'bU]`! V]\[h]\[b['gYjYb![UaY'g\]ckXckb''$

DUgh K U[Yf]b[UbX: i hi fY Dcgg]V]`]h]Yg

 $\label{eq:GYf[Y]'6cVfcj} $$G_m^*[cU'hYbXYf'Zcf'h\Y'DUbh\Yfg^*VcUghg'Ub]$ a dfYgg]j Y'&"%%'[cU`g'U[U]bgh'Uj YfU[Y'h\]g'd`UmcZZ'gYUgcb^*z'k \]'YhYUa a UhY'GUa '6YbbYhh'`YUXg'U``'d`UmYfg'k]h\'U'fYa Uf_UV`Y'hYb d`UmcZZ'[cU`g'''8YZYbX]b['h\Y'7i d'k cb h'Wca Y'YUgm\'z'h\ci [\ U\W\U``Yb[Y'a UXY'a cfY']bhYbgY'Vm'h\Y'\]ghcfm'UbX'g][b]Z]\WbW'cZ h\Y'GhUb`Ym'7i d']hgY`Z''$

I bXYfghUbX]b['h\Y'GhUb`Ym'7i d g'F]WX <]ghcfm</pre>

 $\label{lem:lem:hfcd} $$ hfcd\m^Ug^Yj\c^jYX^Zfca\ Ub^Ua\ UhYi\ f^df]nY^]bhc^h\Y'i\ h]a\ UhY \ UWWc^UXY^]b^dfcZYgg]cbU^^\cW_Ym''$

8 YhU]`g	
Cfh	HU``U\UggYYž': `cf]XUž'I G5
EiY``Yb	• k k k "k YghYfbk \YY`"WU
	Z`cf]X]UbdfYgg"Wca
]WY\cW_YmWYbhfU`"Wca

6 Y gi W Y b 'G | Y 'i b g 'U i Z 'a Y | b ! k | Y b "b Y h