FUW i`hm

 $\label{eq:hamiltonian} \begin{array}{l} \textbf{H} \mbox{ ca LgF. FcgWfci [} (1--*). 8 \mbox{Mb cZh Y7c``Y[YcZ9Xi Wh]cb UbX < i a Ub Chi X]YgUbXDfcZggcf cZ9Xi Wh]cb. \\ 6.5., A.5., UbXD \mbox{.8., C}]c \mbox{CMHYI b]j Yfg]m \end{array}$

5bb G]b[`Yrcb (1-,)). 5ggcVJUY 8 YLb cZ9Xi WJ;cb UbX DfcZ/ggcf cZGdYVJU 9Xi WJ;cb. 6.G, I b];b I b]j Yfglm/ A .9X UbX9X8., I b]j YfglmcZA Ya d\]g

 $\label{eq:schippediag} \begin{array}{l} \textbf{8 chippediag} \textbf{A nuh} (1-\ (\).\ 5 \ \underline{ggg} dbh 8 \ \underline{Y} b \ \underline{Z} cf \ \underline{H} W \ \underline{Y} f \ \underline{Y} dh \ \underline{Y} db \ \underline{Y$

H\Y7c``Y[YcZ9Xi Which UbX < i a Ub Ghi X]Yg\ci gYgUfYUhj YmXlj YfgY[fci d]b[cZUWXYa]WXlgyhd`]bYg]b-Wi X]b[hYGWcc`cZ9Xi Which UbXhY8YdUfha YbhgcZGcVfU K cf_, GcVfc`c[mUbX: Ua]`mGhi X]Yg DgnWc`c[m D\mgW 9Xi Which-K A .9X, 9XG, UbX9X8. H\fYYcZhYdfc[fUagcZYfYX]bhY7c``Y[YUfYbUhcbU`mUWAYX]hX,]bWi X]b[H 9Xi Which (B75H9), GcVfU K cf_, (7GK 9), UbX5h`YhjWffUb]b[(755<9D).; fUXi UhYdfc[fUagUfYcZYfYXcbhY

xUWgcbUbX; YfaUbhckbWadigYg

7 cbbYMjb[h\YgYX]gMd`]bYg]gUWa a]ha Ybhhc h\Y]a d`]Wh]cbgUbXUdd`]Wh]cbgcZh\Y; fYLh7 ca a UbXa Ybh UgbWfYX/gfYhcUdd`m_bck`YX[YUbX]a dfcj Yh\Y`]j YgcZdVcd`Y]b'h\YbUa YUbXhfci [\'h\Y`cj YcZ7\f]gf'

M]gg]cb ShUhY a Ybh

H\Ya]gglcbcZh\Y7c``Y[YcZ9XiWh]cbUbX<iaUbGhiX]Yg]ghcdfYdUfYghiXYbhgZcfgcVJUgYfj]W]bkUhgh\Uh 132 UfYfYÛYNjjY, dfU a U}WUbXWbglghbhk]h\7\f]ghỹhYUW]b[gk\Yh\Yf]h]ghchYUW, hc`YUX, hcWibgY, hcUgglgh cfhcfY\UV]]IUHY.