Problem N-110 \((\text{C}_7\text{H}_{14}\text{N}_2)\). Analyze the 100 MHz NMR Spectra \((\text{CDCl}_3)\), assign all well defined protons. What do the coupling constants tell you about the conformation of these molecules? (Source: S. F. Nelsen \textit{JACS} \textbf{1972}, \textit{94}, 7105 12-18).

The two upfield multiplets are well-separated in A, and the two downfield in B.
Problem N-110 \((C_7H_{14}N_2)\). Analyze the 100 MHz NMR Spectra \((CDCl_3)\), assign all well defined protons. What do the coupling constants tell you about the conformation of these molecules? (Source: SFN Nelsen *JACS* \textbf{1972}, 94, 7105 12-18).

The two upfield multiplets are well-separated in A, and the two downfield in B.