(9.8) With Figure 9.9 one can estimate the stability constants (β_1 - β_3) for the lutetium acetylacetonate complexes. Make this estimation using Figure 9.9. A simplified approach to estimate β_n is the use of the approximate relations $k_n = \beta_n/\beta_{n-1} = 1/(Aa)_{n=r-0.5}$ and $n=z-d(\log D)/d(\log(Aa))$; for Lu³⁺ n<4, but z=3.

The solution is graphical and not shown here.