formation constant

For a mononuclear binary complex, if a central atom (central group) M (the 'metal') and a ligand L have been defined, then in the following expressions $K_n$ is the stepwise formation constant, and $\beta_n$ is the cumulative formation constant for the complex $ML_n$. They can both be referred to as stability constants (stepwise and cumulative).

\[
K_n = K(ML_{n-1} + L \rightleftharpoons ML_n)
\]

\[
\beta_n = K(M + nL \rightleftharpoons ML_n)
\]

*Source:*
Orange Book, p. 11