- $M_i^f = \sup\{f(x) \mid x \in [x_{i-1}, x_i]\}$
- $m_i^f = \text{ínf}\{f(x) \mid x \in [x_{i-1}, x_i]\}$
- $U(P, f) = \sum_{i=1}^{n} M_i^f \, \Delta x_i$
- $L(P, f) = \sum_{i=1}^{n} m_i^f \, \Delta x_i$
- $\underline{\int}_a^b f(x) \, \mathrm{d}x = \sup\{L(P, f) | P \text{ partición}\}$
- $\overline{\int}_a^b f(x) \, \mathrm{d}x = \text{ínf}\{U(P, f) | P \text{ partición}\}$