$$x_{i}:=a+ih h:=\frac{b-a}{m}$$

$$L_{m}(x) = \sum_{i=0}^{m} A(x_{i}) \Lambda_{i}(x)$$

$$\gamma_{i}(x) = \prod_{k \neq i} \frac{x - x_{k}}{x_{i} - x_{k}} = \prod_{k \neq i} \frac{podestownny \approx x_{k}, x_{i}}{(i - k)h}$$

x można prædstavić jato a + th da jakiejs zmiennej t

$$\gamma_i(x) = \gamma_i (a+th) = \prod_{k\neq i} \frac{t-k}{i-k}$$

$$\gamma_{i}(x) = \frac{\prod_{i=1}^{n} (t-k)}{\prod_{i=1}^{n} (i-k)} = \frac{\prod_{i=1}^{n} (t-k)}{i! (n-i)! (-1)^{i}}$$

$$L_{n}(x) = \sum_{i=0}^{n} \frac{A(x_{i})}{i! (n-i)! (-1)^{i}} \cdot \prod_{k \neq i}^{m} (t-k)$$
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