$$l_j(x) = \frac{(x - x_1)\dots(x - x_{j-1})(x - x_{j+1})\dots(x - x_n)}{(x_j - x_1)\dots(x_j - x_{j-1})(x_j - x_{j+1})\dots(x_j - x_n)}\,. \tag{5b}$$

$$a_0 = y(0) = \sum_{j=1}^{n} l_j(0) f_j\,.$$

W ogólności,

$$a_k = \sum_{j=1}^{n} l_j(0) f_j^{(k)}\,,\ k = 0, \dots, n-1\,, \tag{19a}$$

gdzie

$$f_j^{(k)} = \begin{cases} \frac{f_j^{(k-1)} - a_{k-1}}{x_j} & k = 1, \dots, n-1\,, \\ f_j & k = 0\,. \end{cases} \tag{19b}$$