$$B_i^0(x) = \begin{cases} 1, & t_i \le x \le t_{i+1} \\ 0 & \text{otherwise}, \end{cases} \tag{1a}$$

$$B_i^k(x) = \left(\frac{x - t_i}{t_{i+k} - t_i} \right) B_i^{k-1}(x) + \left(\frac{t_{i+k+1} - x}{t_{i+k+1} - t_{i+1}} \right) B_{i+1}^{k-1}(x), \tag{1b}$$