$$\begin{cases}
L(x_0) = y_0 \\
+(x_1, ..., x_j) = \frac{+(x_{i+1}, ..., x_j) - +(x_{i+1}, ..., x_{j-1})}{x_j - x_i}
\end{cases}$$

$$L(x) = -16 + 8(x+3) - 8(x+3)(x+1) + 10(x+3)(x+1) \times$$

$$= 10x^3 + 32x^2 + 6x - 16$$

$$L(x) = -16 + 8(x+3) - 8(x+3)(x+1) + 5(x+3)(x+1) \times$$

$$= 5x^3 + 12x^2 - 9x - 16$$

$$L(x) = -16 + 8(x+3) - 8(x+3)(x+1) + 10(x+3)(x+1) \times$$

$$= 10x^3 + 32x^2 + 6x - 16$$