$$\boxed{Z\,7}$$

$$L_n(x) = \sum_{k=0}^{n} y_m \, \lambda_m(x)$$

$$\lambda_m(x) = \prod_{\substack{j=0 \\ j \ne n}}^{n} \frac{x - x_j}{x_m - x_j}$$

	0	1	2	3
x_k	-3	-2	0	4
y_k	0	2	6	-10

$$\lambda_0 = \frac{(x-x_1)(x-x_2)(x-x_3)}{(x_0-x_1)(x_0-x_2)(x_0-x_3)}$$

$$\lambda_1 = \frac{(x-x_0)(x-x_2)(x-x_3)}{(x_1-x_0)(x_1-x_2)(x_1-x_3)} = \frac{(x+3)(x-4)}{12}$$

$$\lambda_2 = \frac{(x-x_0)(x-x_1)(x-x_3)}{(x_2-x_0)(x_2-x_1)(x_2-x_3)} = \frac{(x+3)(x+2)(x-4)}{-24}$$

$$\lambda_3 = \frac{(x-x_0)(x-x_1)(x-x_2)}{(x_3-x_0)(x_3-x_1)(x_3-x_2)} = \frac{(x+3)(x+2)x}{168}$$

$$L_3(x) = 0\cdot\lambda_0 + 2\,\frac{(x+3)(x-4)}{12} + 6\,\frac{(x+3)(x+2)(x-4)}{-24} - 10\,\frac{(x+3)(x+2)x}{168}$$