$$x_i \mid 4 \mid 6 \mid 8 \mid 10 \mid$$
 $y_i \mid 6 \mid 3 \mid 9 \mid 0 \mid$

$$S_{0}(x) = 6 + b_{0}(x-4) + c_{0}(x-4)^{2} + d_{0}(x-4)^{3}$$

$$S_{1}(x) = 3 + b_{1}(x-6) + c_{1}(x-6)^{2} + d_{1}(x-6)^{3}$$

$$S_{2}(x) = 9 + b_{2}(x-8) + c_{2}(x-8)^{2} + d_{2}(x-8)^{3}$$

$$S_{2}(x) = 9 + b_{2}(x-8) + c_{2}(x-8)^{2} + d_{2}(x-8)^{3}$$

$$S_{2}(x) = 9 + b_{2}(x-8) + c_{2}(x-8)^{2} + d_{2}(x-8)^{3}$$

$$S_{2}(x) = 9 + b_{2}(x-8) + c_{2}(x-8)^{2} + d_{2}(x-8)^{3}$$

$$S_{3}(x) = 9 + b_{3}(x-6) + c_{3}(x-6) + c_{3}(x-6) + c_{3}(x-6) + c_{3}(x-6) + c_{3}(x-6) + c_{3}(x-6) + c_{4}(x-6) +$$

$$\mathcal{H}_{2} = 2$$

$$\hat{S}_{b_{i}} = \frac{y_{i+1} - y_{i}}{h_{i}} - \frac{h_{i}}{3}(c_{i+1} + 2c_{i}) \quad \stackrel{C}{\circ} \quad \stackrel{1}{2}55 \stackrel{1}{5}65 \stackrel{2}{\circ} \\
b_{0} = \frac{3 - 6}{2} - \frac{2}{5}(C_{1} + 2C_{0}) = -5.2$$

$$b_{A} = \frac{2}{2} - \frac{2}{5}(C_{2} + 2C_{0}) = A.3$$

6
$$d_i = \frac{1}{3h_i}(c_{i+1} - c_i)$$

 $d_0 = \frac{4}{5} \cdot 2(c_1 - c_0) = 0.425$
 $d_1 = \frac{4}{5}(c_2 - c_1) = -1$
 $d_2 = \frac{4}{5}(c_3 - c_2) = 0.575$

b2 = 03 - 3 (C3+2·C2) = 0.1

$$\begin{array}{c} (h_{n-2}c_{n-2}+2(h_{n-2}+h_{n-1})c_{n-1}=3\frac{y_{n-y_{n-1}}^3-3\frac{y_{n-1-y_{n-2}}^2}{h_{n-2}}}{2\cdot (a+2\cdot 4\cdot c_2=3\left(\frac{\varrho-5}{2}-\frac{5\cdot 3}{2}\right)=-\varrho c_5} \\ (a+2\cdot c_2-2c_5) &= c_4=2.55 \\ (b+2c_2-2c_5) &= c_4=2.55 \\ (c_4+2c_2-2c_5) &= c_4=2.55 \\ (c_4+2c_4-2c_5) &= c_4=2.55 \\ (c_4+$$

$$S_{0}(x) = 6 - 32(x-4) + 0.(x-4)^{2} + 0.45(x-4)^{3}$$

$$= > S_{1}(x) = 3 + 1.9(x-6) + 2.55.(x-6)^{2} - 1.(x-6)^{3}$$

$$S_{2}(x) = 9 + 0.1(x-8) - 3.45.(x-8)^{2} + 0.575.(x-8)^{3}$$