$x_0 = 0$ ,  $f_0 = 0$ ,  $x_1 = 1/2$ ,  $f_1 = 1$ ,  $f_1 = 1/2$ ,  $f_2 = 0$   $f_1(x)$ ;  $f_2 = 0$   $f_3 = 0$ ,  $f_4 = 0$ ,  $f_4$  $S_0(x) = \frac{1}{3}a_1 \times \frac{3}{4} + b_0(\frac{1}{2} - \frac{1}{4}) + C_0 \times$  $S_{i}(x) = \frac{1}{2}a_{i}(1-x) + b_{i}(1-x) + C_{i}(x-\frac{1}{2})$  $b_0 = 0$ ,  $c_0 = 2 - \alpha_1 \frac{1}{12} s_0(x) = -8x^3 + (2 + 24/12) \times$  $b_1 = 2 - \frac{\alpha_1}{12}$ ,  $C_1 = 0$   $\int \frac{= -8x^3 + (2+2)x}{(5-8x^3 + 4x)}$  $a_1 = \frac{6}{4} \cdot 2^3 \cdot (-2) \frac{S_1(x) = -8(1-x)^3 + (2+2\frac{1}{2})(1-x)}{S_1(x) = -8(1-x)^3 + 4(1-x)}$ 11 ON THURS