الاستكال كالغ

Backward interpolation

$$\frac{1}{(x_{1}-x_{0})(x_{1}-x_{1})} = \frac{1}{(x_{1}-x_{0})(x_{1}-x_{1})} = \frac{1}{(x_{1}-x$$

$$y(x) = l_{1} \int_{0}^{1} + l_{1} y_{1} + \dots + l_{n} y_{n}$$

$$y(x) = l_{1} \int_{0}^{1} + l_{1} y_{1} + \dots + l_{n} y_{n}$$

$$y(x) = l_{1} \int_{0}^{1} + l_{1} y_{1} + \dots + l_{n} y_{n}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{0})(x_{1} - x_{1}) - (x_{1} - x_{n})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{0})(x_{1} - x_{1}) - (x_{1} - x_{n})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1}) - (x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

$$y(x) = \lim_{x \to \infty} \frac{y(x)}{(x_{1} - x_{1})(x_{1} - x_{1})}$$

91 = (x1-x0) (x1-x1)-- (x1-x1)

Ex use Lagrange M

Siepe
$$y(x) = l\sqrt{0} + l\sqrt{1} + l\sqrt{2}$$
 $y(x) = \sqrt{0} + l\sqrt{1} + l\sqrt{2}$
 $y($

 $l_0(x) = \frac{(x-2)(x-7)}{(1-2)(1-4)} = (\frac{1}{3}(x^2-6x+8))$

 $L_{1}(x) = \frac{(X-1)(X-Y)}{(2-1)(2-Y)} = \frac{-1}{2}(\chi^{2}-5X+Y)$

 $\int_{S} \frac{(A-1)(A-5)}{(X-1)(X-5)} = \frac{2}{1} (X_5 - 3X + 5)$

 $y(x) = X^2 + 0X + 4 = (X^2 + 4)$ 09(3) = 3 + 4 = 13

3) y'ex)= ?X

J'(3) = 2(3) = 6

 $l_2 = \frac{(7-2)(7-3)(7-8)}{(5-2)(5-3)(5-8)} = \frac{10}{9}$

$$= \frac{4}{9}(29) + (-1)(105) + (\frac{10}{9})(497) + (\frac{4}{9})(2045)$$

$$= \sqrt{3} \cdot 69$$