

$$h := \frac{b-a}{n_7-1} = 12.5$$

$$\int_a^b x^4 dx = 1.181 \cdot 10^9$$

$$a := 15$$

$$b := 90$$

$$n_7 := 7$$

$$x := 0, 12.5 \dots 75$$

$$f(x) := x^4$$

$$\text{Ord} := \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \end{bmatrix}$$

$$\text{Multiplier} := \begin{bmatrix} 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 1 \end{bmatrix}$$

$$x = \begin{bmatrix} 0 \\ 12.5 \\ 25 \\ 37.5 \\ 50 \\ 62.5 \\ 75 \end{bmatrix}$$

$$f(x) = \begin{bmatrix} 0 \\ 2.441 \cdot 10^4 \\ 3.906 \cdot 10^5 \\ 1.978 \cdot 10^6 \\ 6.25 \cdot 10^6 \\ 1.526 \cdot 10^7 \\ 3.164 \cdot 10^7 \end{bmatrix}$$

$$\text{Multiplier} \cdot f(x) = \begin{bmatrix} [7 \times 1] \\ [7 \times 1] \\ [7 \times 1] \\ [7 \times 1] \\ [7 \times 1] \\ [7 \times 1] \\ [7 \times 1] \end{bmatrix}$$