

$$\begin{bmatrix} \sum_k x_k & \sum_k x_k^2 & \dots & \sum_k x_k^{n+1} \\ \vdots & \vdots & & \vdots \\ \sum_k x_k^n & \sum_k x_k^{n+1} & \dots & \sum_k x_k^{2n} \end{bmatrix} \begin{bmatrix} a_0 \\ a_1 \\ \vdots \\ a_n \end{bmatrix} = \begin{bmatrix} \sum y_k \\ \sum x_k y_k \\ \vdots \\ \sum x_k^n y_k \end{bmatrix}$$

$$M \equiv \sum_{k=0}^{m+1} x^k = (m+1) = M$$

$$\underline{\underline{A \bar{a} = \bar{b}}}$$

CRAMER'S Rule

$$a_j = \frac{\det(A_j)}{\det(A)}$$