

EXPANDED EXPRESSIONS FOR A SET OF LINEAR EQ'S.

$$\underline{A} = \begin{bmatrix} a_{11} & a_{12} & a_{13} & a_{14} & a_{15} & \dots & a_{1n} \\ a_{21} & a_{22} & a_{23} & a_{24} & a_{25} & \dots & a_{2n} \\ a_{31} & a_{32} & a_{33} & a_{34} & a_{35} & \dots & a_{3n} \\ a_{41} & & & & & \dots & \\ \dots & & & & & \dots & \\ \dots & & & & & \dots & \\ a_{n1} & a_{n2} & a_{n3} & a_{n4} & a_{n5} & \dots & a_{nn} \end{bmatrix}; \underline{X} = \begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ \dots \\ \dots \\ \dots \\ x_n \end{bmatrix} \text{ and } \underline{b} = \begin{bmatrix} b_1 \\ b_2 \\ b_3 \\ \dots \\ \dots \\ \dots \\ b_n \end{bmatrix}$$