B Inventing a matrix directly is not sucommended as it might lead to numerical instability.

MATRIX FACTORIZATION PROVIDES A MORE SANER

WAY OF DOING THIS.

L-U DECOMPOSITION: Complainty =  $\frac{2n^3}{3}$  | Stable |

In LU Dicomposition Milmod. The matrix Broken down to an upper and a lower matrix (triangular).

U= upper triangular mahix

U= upper triangular mahix

PSIUCIOLOCY:

1 Decomposition