\* AIM- Excercises to find the necroced now condon fourm of matrix in scilab.

\* Equipment 
feduced stow acht on fourm

A computed with Scilab insterved

\* PHOCEOLOUIC
Reduced Show exhelors fourm by a materix is well
to find the short by materix and further about
solving a system by linear equations. A materix
is a show exhelors farm it.

- All show consisting by only zeros are at bottom - The field non-zeros elements by a non zero show is always statichy to the eight by the field non zero elements by the show about it.

A metalix con have several slow exhelor fourm. A matalix is in Recluced Row exhelor four if

- It is in sow extern fourm
- The first nonzero elements in each nomero socu is a 1.
- Each Column Contevining a monzeur au 1 nous zevous in au its other enteria

## \* Kenk of Matrix

The stork of the most suix is the normber of monzerous stolle in the stow echelon fewer . To find the stork we need to pery our the following steps.

Count the number of mon- zero rows.

A-[1586; 0483; 5846 J; et Codecuis (A) horotom and part 0. 4 8. 3. 9. 6. duap ( MMy (A), " The Mow sicelured condon tou of moteur A is"); 4. 0. 0. O. J. O. Water work work to a o. o. 1. " The spot steduced extern fourm of the matrix A is to domes operation. somk (A) med with Com have several Short too week it is it william The though proposed desirable. \* Conduction This experiment provided a fundamental understant of thoung reduced now ection fewer and eronk of motoux in soilab. It can also be cued as a way of tinding a solution to the system of line as equations

that he store strate terror as to