## Machine leivening -1

## Notations

2

Vaciable

Vaciable

Lasider it as

constant that has

Some value of fust don't know the value 1

to ETR

no belongs to real nums.

y E IR y will be dymod

2 real nums example we have a hight length width 5 08 IIZ 3 Vector (1) array

what if we have two black boards having the same throe attribute ve car write it as 3 2 3X2

Matrix

TR 3x2x5

tensox.

 $\mathcal{X} = \mathbb{R}^{3 \times 1}$ Row = column for that we write.

Vectorization is much faster than loop