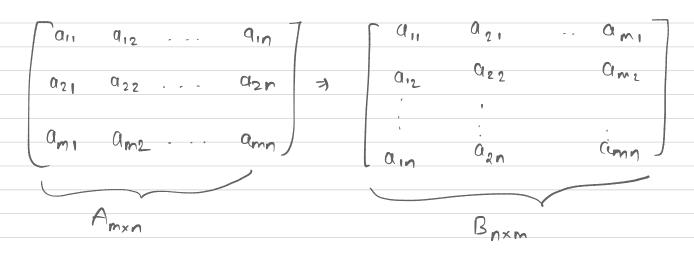
$f_{21} = \frac{\alpha_{21}}{\alpha_{11}} \qquad 0 \qquad q_{22} \qquad q_{22} \qquad b_{2}$ $f_{31} = \frac{\alpha_{31}}{\alpha_{11}} \qquad 0 \qquad q_{32} \qquad q_{32} \qquad b_{2}$

11

Transpose of matrin



Bnxm = [bij] = [aji] = ATmxn

b12 = 921

bn2 = a2n

· Square netrin Anxm, n=m

. Symmetric matrin A square matrin Anxn is

AT = A => aji = aij (er all i,j=1,2...)

· Diagonal matrin

$$\begin{bmatrix} q_{11} & 0 & 0 \\ 0 & q_{22} & 0 \\ 0 & 0 & q_{33} \end{bmatrix}$$

=> aij =0 for all

· Upper triongle matri~

=> 0; = 0 for all i>j

· hower thingle nation

$$\begin{bmatrix} a_{21} & a_{22} & a_{33} \\ a_{21} & a_{22} & a_{33} \end{bmatrix}$$

aj = o for all i < j