Vector spaces & Subspace . Reginnij of real akelsa (one can sy) @ Leeing a bygg picture of Vector space (6) Not just vectors, but Spaces of vectors and subspaces of these vectors. Permutations P: and they Execute row exchanges But what hoppens to: A=LU [100] 7 les assures ne dont hour Ps · le row Exchange.

So how do are account for our Exchange? This is the description of Elimeration with row exchange; How do we transpose a matrix: · ranspae will be 3> formula for transport Transpose: (AT.) := Aji this transposing does not charge Matix Symme to cal.

Transpox gives Back Same Matry

Vector Spaces Kut what mean by speces? Lots of vectasabo we can Conduct operas blown Vector, and Still by in Must Stay in Space Corsulspace] Lets Create Susspaces at of A= [] 3 | Column in R3

L4 L Need to put colo in disspece . Ned to take all he linear Combinations' meaning - multiplying newbord - and adding vectors => Called Columnspace CA)

How to create Subspace from tate its Columns tale thei Combratai non weget colum space

Nov blatamen (124 to base to be a compared to the state of the state o