Spore M of all 3x3 matrices V Substace of Symmetric 3×3 -) Subspace of 3x2 uffer triangular Matrices Boxes for M= M3x3'n. dim S=6 dim U = 6

SMU = Symm. & upper triangular

= diagonal 3x3',

dim (SMU) = 3

SUU -7 not a subspace.

St U = any element of S t any element of U

= all 3x3 matrices.

dim (S+U) = 9)

= dim(s)+dim(U)= dim(s+u)+dim(snu)
6+6

ch: { nodes, edyes}













