Spanning Set. Ax = 6. If Ais Square Matrix If Ais rectangular Matrix Find Det (A). by gaves If Inconsistant 1A1 = 0 Consistan System 1A1 + 0. Does not Span System. Span Does not System has no Solution Span. - System is Consistant Span. and has unique sol No lineary Many Solutions Can be written 95 Combinations Linear Combinations Dep Independent Vectors. Ax = 0.(Homo . System). A is rectangular. A is Square Solve Find System. pet(A) Many Unique 1A1 = 0. 1A1 =0 Solution. Solution. [System will have] Non-Trival. Trivial Solor Trival + Non Trivial Sol 501 Zero Soll Inde pendent Dependent Dep. Vectors. Independent Vectors Vectors Vectors

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