No. Date Proof of prop 36 It is assume to Vi, vo, ..., vo are linearly dependent do the smallest number guch that V, , , Ton are directly independent & Jan is a linear combination of 4 the preceding violous. Then, CIVIT TEM UM = Vmry D Left multiplication by A LANG + CAFE + ... - P CMAUN = AVMA : vib are eign rectors e. Aiv, + delate + con low to = Time. vac, Multiplying D by Amor a subtractily from D R, (7, -2me,) J, t. -P Cm (2m-2m+) However, I, To one din. indep. so all the conf in B are 3 Ec=0: i's are given to de distinct But from O weget, Um +1 =0 But this is not possith as all the vis as eigenvictors 3 By contradiction that II, ... In I are the nearly independent Neelgagan