





> Can we bolie Ax= le Bor energ every B2 Doe the linear combes of the columns Ear this A given algare yes.

A is a non-singular i e. invertible So, when well the answer lee ho?.

Then all the 3 rector column vectors

lie in the same plane. i.e. Two

materies add up to give the 3rd one. In buch a case the only B we will be getting will be those lying in the Here the motory A well be singular i-e- hon-insertible matrix: -> Nove imagine 9 egg and 9 unknowns. That means we have I column vectors. If each of these column vectors are undefentlent of each other, then we can fill the 90 share But it bor ex, the last volumn is the same as the 2nd last volumn, then we kannot shan the vehole 90 share. Instead we would get a 80 Plane on 90 Space

