In general; Im(T) is will have all possible linear combinations of its alumns. This is called "span". The spain of vectors themelles 2 15 is all possible linear combinations of others vectors. Im(S) = \ K [i] with k real } som olumns! ker(S) = [k. \frac{1}{2}[!], k real number] In general, finding Ker(T) is solving a system of egs! Example 11 p. 117. Inge and kined one "weeter spaces: A nxn. cil de Im(T), de kur(T). A investible (ii) Make Closed water addition. it and only it Ker(A) = 50 }. (iii) Closed under multiplication by scalars.