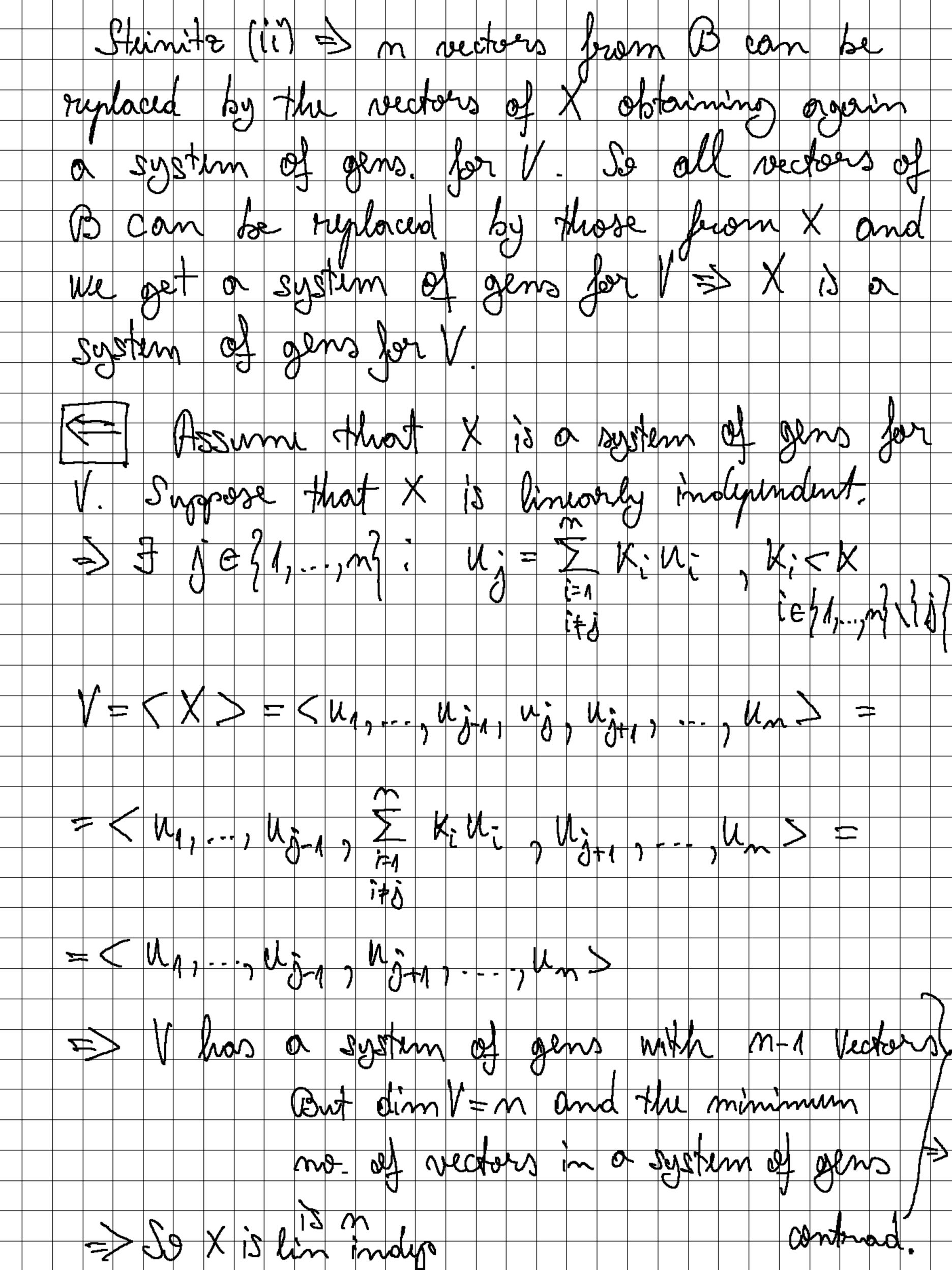
Homy two bases O. number lin. moly o system Bis a system of genn ? I m Theorem: Let V be a victor space over K with olim V=n and X=(u,-,un) or list of Vectors in Then X is linearly molymount in V => X is a system of generators for Es Hisume that X = (un - un) is lim image. dim V=m > 3 basis B= (N1, 1-, Nm) of Bis a system of genurous for



Theorem: Any linearly independent list of rectour in a vector space can be compléted basis of the rector space. Persof Let X = (u, ..., um) be lin moly 20+62 = (v1, -., vn) be a basis of = 0 is a system of gens for / m 5 n and m lectors from ryhad by those from X obtaining organ system of gens for first ou ryplaced o system

