ルミリ, ルキリ m = dim V, m = dim U J U, ... U_{n-m}: ∩ U; = U, dim U; = n-1 Let un, um be a basis of U. Extend un..., um with vmu, ..., on to a borris of V For each ke [mu, ..., m] comidn: H/k = span ({u,..., u m, v me, ..., v n } / {v k }) dian Hk = n-1 and U C Hk. Let x ∈ n Hk. Write x on a lam. comb. of the bonis. $x = \sum_{i=n}^{m} Q_i U_i + \sum_{i=m+1}^{m} b_i \sigma_i$ Since each Hk does not contain or and x = n Hk =) each bi must be o =) 1 = \(\int \alpha \); \(\int \cdot \)

