



. (1 50 lin. indep means no-mon-trivial 3)
relations (" Over Q the 2 def are equiv., over Z this is not true "This might look like a small différence but the consequence one rend big which explains why the the of fine dim vect op.
is easy while groups one fixted ip. Examples Visa QV.Sp. fim.gen. 1) $\{v\}$ $\subseteq V$ às ein indep. but $\{2\}\subseteq \mathbb{Z}/\{2\mathbb{Z}$ is not: $\{2,2\}=0$ 2) In (a f.g) V a maximal lim. ind. subset is a spanning set (=0 basis) and a minimal generaling set is lin. ind (=D barris). but 22 s Z max e.in mot a barris 22,3} ⊆ Z min gen set mot a besuit







