



$$\Rightarrow : k \in m|n \Rightarrow j = hm \prec n \Rightarrow \frac{k}{m} = h \prec \frac{n}{m}$$

$$\Leftarrow : h \prec \frac{n}{m} \Rightarrow m \prec mh \prec n$$

$$n = p_1^{\nu_1} \cdots p_k^{\nu_k} \Rightarrow 1|n = \frac{d \in \mathbb{N}^{\times}}{d \prec n} \prec \underbrace{1 + \mathfrak{p}_1}_{\times} \cdots \times \underbrace{1 + \mathfrak{p}_k}_{\times}$$

$$p_1^{\mu_1} \cdots p_k^{\mu_k} \prec n \Leftrightarrow 0 \leq \mu_i \leq \nu_i$$

Kette $1|n \Leftrightarrow n = p^e$ pure \Leftrightarrow finite fields

Cube $1|n \Leftrightarrow n = p_1 \cdots p_k$ simple \Leftrightarrow finite subsets