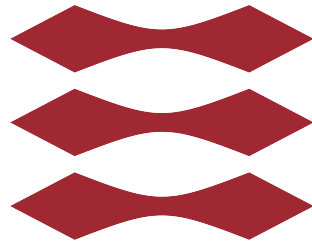


DTU



Primes and the Euclidian algorithm

01017

Discrete Mathematics

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Semester: 2025 Fall

Rasmus Rosendahl-Kaa (S255955)

Primes

Definition

$$a, b, c \in \mathbb{Z}, a \in \mathbb{Z}_+ \tag{1}$$

If $a = b \cdot c$ then a is *composite* (sammensat), if not, then a is a prime,