

4. Lattice periodicity

4.1 Intro

→ transparencies

O operation: $a, b \in G, a \oplus b = c$ with $c \in G$

A associate: $a \oplus (b \oplus c) = (a \oplus b) \oplus c$

N neutral: $a \oplus E = E \oplus a = a$

I inverse: $a \oplus a^{-1} = a^{-1} \oplus a = E$

C commutative: $a \oplus b = b \oplus a$

4.2 Bloch theorem.