



- (A1) $x + y = y + x$
 (A2) $x + (y + z) = (x + y) + z$
 (A3) $x + x = x$
 (A4) $(x + y) \cdot z = x \cdot z + y \cdot z$
 (A5) $x \cdot (y \cdot z) = (x \cdot y) \cdot z$

 (A6) $x + \delta = x$
 (A7) $\delta \cdot x = \delta$

 (C1) $a \mid b = \gamma(a, b)$ als $\gamma(a, b)$ gedefinieerd, anders δ
 (C2) $(a \mid b) \mid c = a \mid (b \mid c)$
 (C3) $\delta \mid a = \delta$

 (CM1) $x \parallel y = x \parallel y + y \parallel x + x \mid y$
 (CM2) $a \parallel x = a \cdot x$
 (CM3) $a \cdot x \parallel y = a \cdot (x \parallel y)$
 (CM4) $(x + y) \parallel z = x \parallel z + y \parallel z$
 (CM5) $a \cdot x \mid b = (a \mid b) \cdot x$
 (CM6) $a \mid b \cdot x = (a \mid b) \cdot x$
 (CM7) $a \cdot x \mid b \cdot y = (a \mid b) \cdot (x \parallel y)$
 (CM8) $(x + y) \mid z = x \mid z + y \mid z$
 (CM9) $x \mid (y + z) = x \mid y + x \mid z$

 (D1) $\partial_H(a) = a$ als $a \notin H$
 (D2) $\partial_H(a) = \delta$ als $a \in H$
 (D3) $\partial_H(x + y) = \partial_H(x) + \partial_H(y)$
 (D4) $\partial_H(x \cdot y) = \partial_H(x) \cdot \partial_H(y)$