3 [OFJ] If
$$\forall n \in \mathbb{N}, a_n, b_n \ge 0$$
 show

Exercises

n=0

£7.43	[OFJ] If $\forall n$	\in	\mathbb{N} , a_n , b_n	\geq	0 show	tha

$$\sum_{n=0}^{\infty} c_n = \sum_{n=0}^{\infty} a_n \sum_{n=0}^{\infty} b_n$$

n=0with the convention that $0 \cdot \infty = 0$.