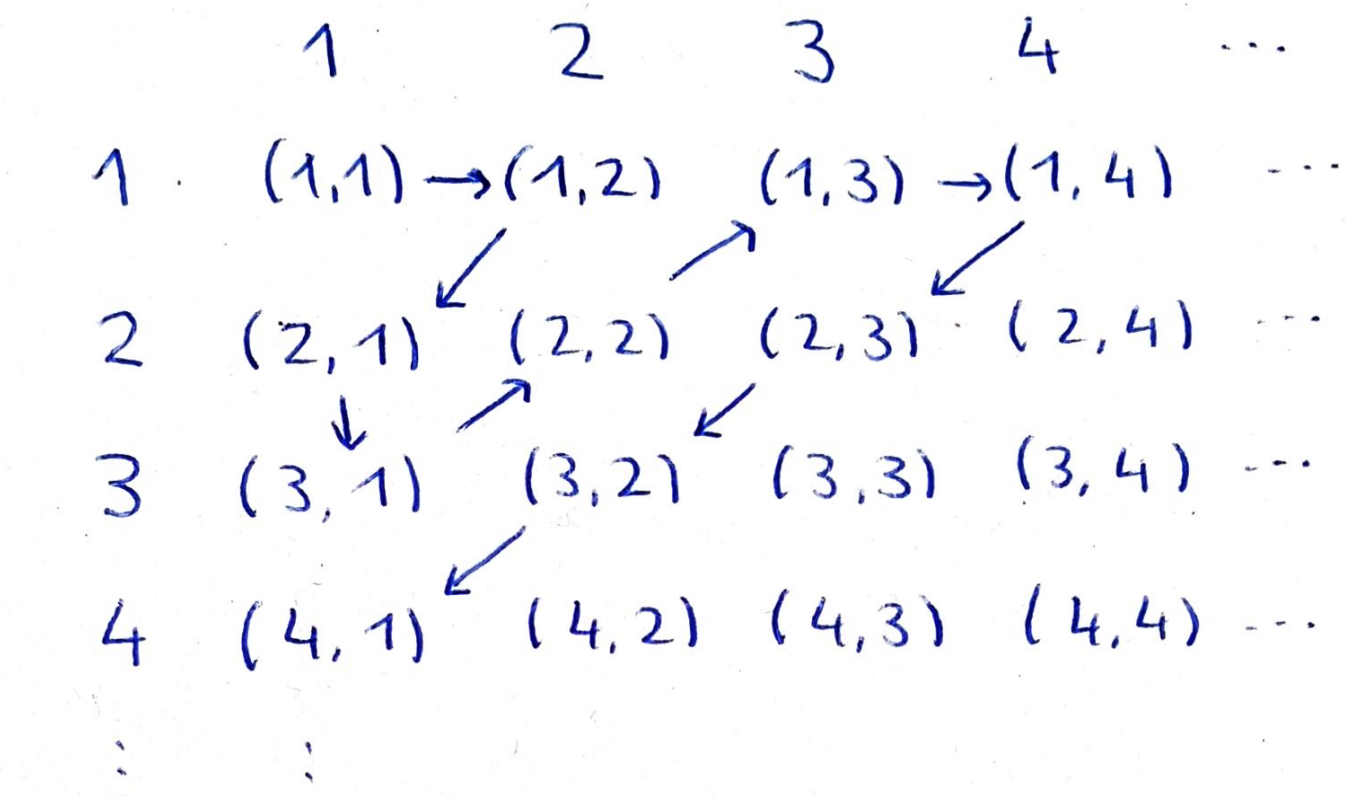Das Gitter $\mathbb{N} \times \mathbb{N}$