Problem Set 5

D. Zack Garza

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1 Problem 1

We first make the following definitions:

$$S := \sum_{j=1}^{\infty} \sum_{k=1}^{\infty} a_{jk} = \sup \left\{ \sum a_{jk} \ni B \subset \mathbb{N}^2, |B| < \infty \right\}.$$