Exercises

E7.31 [OF2] *(Proposed on 2022-12)* Find two examples of $a_{i,j} : \mathbb{N} \times \mathbb{N} \to \mathbb{R}$

- such that, for each i, $\sum_j a_{i,j} = 0$, while for each j, $\sum_i a_{i,j} = \infty$;
- such that, for each i, $\sum_j a_{i,j} = 0$, while for each j, $\sum_i a_{i,j} = 1$.

Can you find examples where moreover we have that $|a_{i,j}| \leq 1$ for every i, j? [[OF3]]