

Exercises

E17.42 [1FP] Write Taylor's polynomial of $(1+x)^\alpha$ with $\alpha \in \mathbb{R} \setminus \mathbb{N}$. (Infer a generalization of the binomial symbol $\binom{\alpha}{k}$). The associated Taylor series is called *binomial series*, it converges for $|x| < 1$.

Solution 1. [1FQ]