## Proof by mathematical induction-deduction based on my definition

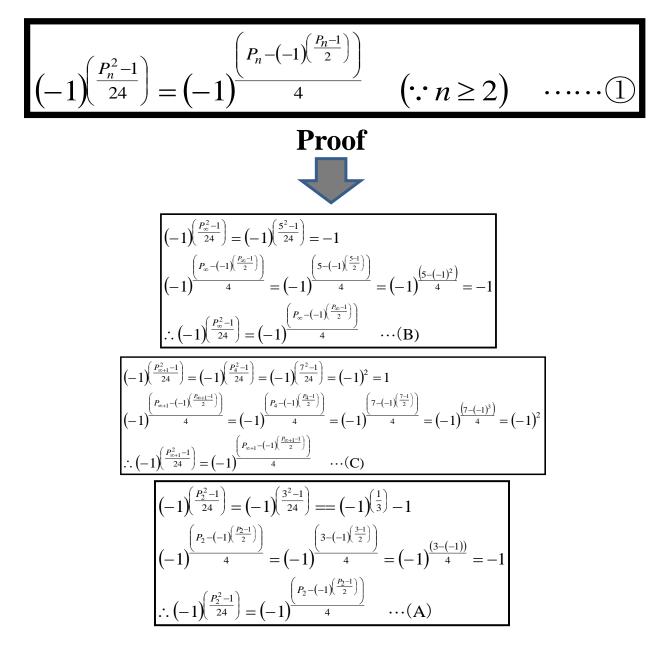
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## Abstract

In this chapter, I will explain a new method of proof, which is both mathematical induction and deduction at the same time, based on my definition series, with concrete examples.

## General comments

The examples used in this study are as follows.



The above shows that it holds for  $n = \infty$  and also holds for  $n = \infty+1$ , which means that it also holds for n = 2. Therefore, the equality (1) is proved to be correct.