M.S. Teaching Mathematics

Examining Committee:

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Abstract

The aim of this independent study is that it can be used as a

Teacher's Guide to Applications of

Upper Secondary School

Mr. Adulrat Veerapunyanon

Functions and Inclusion-Exclusion Formula for

Research Title

Author

Generating

Outlines of the independent study are described in chapter 1.

Chapter 2 and chapter 3 are about basic knowledge on set and counting principle. In chapter 4 and chapter 5 generating functions and inclusion-exclusion formula are explained in details and in suitable ways for teachers and students. It would enable them to apply the methods in solving wider classes of counting problems.

supplementary text or an elective subject hand-book about counting

The method of approach in each topic is done by giving several examples first before stating conclusions or theorems. In this way the readers would take less effort in trying to understand the subject.