

# INTRO TO HIGHER MATHEMATICS, NOTE

TANG-KAI LEE

## 1. Notations

During the class, we mainly follow the notations from the textbook [DM15] with some exceptions listed below.<sup>1</sup>

| Notations we will use | Meaning                          | Notations in [DM15] |
|-----------------------|----------------------------------|---------------------|
| $\mathbb{N}$          | the set of positive integers     | $\mathbb{N}^+$      |
| $\mathbb{Z}_{\geq 0}$ | the set of non-negative integers | $\mathbb{N}$        |

## REFERENCES

- [DM15] B. A. Dumas and J. E. McCarthy, *Transition to higher mathematics: Structure and proof*, Washington University in St. Louis, 2015.

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<sup>1</sup>The list may be updated later.