

Discret Math

- Naftaly Minsky
- Why discrete?
 - Foundation of computer science
- Main focus is proofs
- What is math used for?
 1. Modeling and understanding the world
 2. Exploiting the world
 3. Building things
 4. Proving
 5. Calculation
- How to study math?
 1. The best way is to think and talk with others

Class Organization

- 3 TA's
 1. Wang
 2. Guntury
 3. Wunder
- Discrete Math by Ken Rosen 6th edition
- Student Solution guide

Syllabus

1. Logic and Basis of Proofs
2. Basic Math Structures
3. Variance
4. Induction and Recursion
 - Relation
5. Models of Computation
 - Examples on notebook page 1

Supplements to Examples 1

- Assume the board is a chess board, always 2 more blacks and can not cover 2 blacks with 1 piece