

# Overview

## Topics:

- ▶ Solving problems using oracles
- ▶ Proving the answer to a decision problem is YES
- ▶ The SAT problem
- ▶  $\mathcal{NP}$
- ▶  $\text{co-}\mathcal{NP}$
- ▶  $\mathcal{P}$
- ▶  $\mathcal{NP}$ -hard and  $\mathcal{NP}$ -complete