

The Big Question(s)

- ▶ When is Algorithm A better than Algorithm B w.r.t. **running time** and **memory use**?
- ▶ If we know the input, we can just run the two algorithms.
- ▶ In general we assume performance is a function of the **input size** (bits / bytes)
- ▶ So we need to know how to compare **functions**.
- ▶ We also need not to **drown in details**.

