# Turning Machines

- A turing machine is a finite automata with an infinite tape that is used as memory
- it differs from other finite automa becuase it is read and write as oppose to read only
- turning machine tape is infinite
- final state are immediately final

# Algorithms and the Church-Turing Thesis

# Decidability

# Undecidability & Reducibility (Reduction)

# Reducibility (Reduction) cont.

# Complexity P and NP

# NP Reduction and NP-Completeness

# The Cook-Levin Theorem

# Additional NP-Complete Problems Course Wrap Up

# Final Exam Review