Guide 14

1. [AI: Philosophy and ethics](https://en.wikipedia.org/wiki/Artificial_intelligence#Philosophy_and_ethics)
   1. What are the basic philosphical questions regarding AI?
2. Alan Turing’s [“Computing Machinery and Intelligence”](https://cs.calvin.edu/courses/cs/344/kvlinden/resources/turing.html) — Read Sections 1–3; 6—7, skimming the “contrary” arguments to get their basic thesis.
   1. What actual, operational question does Turing address in the paper?
   2. Specify the *imitation game*.
   3. Do any of Turing’s “contrary” views seem compelling to you?
   4. Does Turing give any prescriptions for how one might program a computer to learn?

For further reading, Sections 4–5 give a review of computers and Turing machines.

1. John Searl’s [Chinese room](https://en.wikipedia.org/wiki/Chinese_room) (Introduction and Sections 1–3)
   1. What is Searle’s basic argument as it relates to the Turing test?
   2. Compare and contrast *strong* vs. *weak* AI