1. **Getting to know you**: What is intelligence? What is artificial intelligence? Which of the following are intelligent? (Circle your answer and finish the *because…* part in a few words.)

- Slagle’s symbolic integrator {IS / IS NOT} intelligent *because*:

- Harvard students {ARE / ARE NOT} intelligent *because*:

- Thermostats {ARE / ARE NOT} intelligent *because*:

- Bees {ARE / ARE NOT} intelligent *because*:
2. Re pattern matching & representation: the Tversky & Kahneman example
Linda is 31 years old, single, outspoken and very bright. She majored in philosophy. As a student she was deeply concerned with the issues of discrimination and social justice, and also participated in anti-nuclear demonstrations.

Please rank order the following statements by their probability, using 1 for the **most** probable and 8 for the **least** probable (write your number in the margin):

- a) Linda is a teacher in elementary school
- b) Linda works in a bookstore and takes Yoga classes
- c) Linda is active in the feminist movement
- d) Linda is a psychiatric social worker
- e) Linda is a member of the League of Women voters
- f) Linda is a bank teller
- g) Linda is an insurance salesperson
- h) Linda is a bank teller and is active in the feminist movement
3. Which of these tasks can be done now by computer/require intelligence?
   - Playing a decent game of table tennis
   - Playing at a World Master’s level in Backgammon/Chess/Go
   - Giving competent legal advice in a specialized area of law
   - Translating spoken English into spoken Spanish in real time

4. Food for Thought
Historical sources: the earliest “Turing tests” for intelligence
Descartes, Condorcet, Vaucausson - 17th century
(Cartesians: *Discours sur la méthode, cinquième partie*)
Even earlier:
“Rabbah said: ‘If the righteous desired it, they could
[by living a life of absolute purity] be creators.’
Rabbah created a person, and sent him to Rabbi Zera.
Rabbi Zera spoke to him, but received no answer.
Thereupon he said unto him, ‘Thou art a creature of the
magicians. Return to thy dust.’” (Babylonian Masechet
Sanehedrin, 65b, circa 300–200 BCE?)