

Agenda: wrap-up; The Turing Test, the Chinese Room, and the first restricted Turing Test.

Announcements: The mean on HW5A was 2, not 3 (typo in the solutions cover sheet).

I. Some course themes

1. How do you get something done? [examples from last time: systematically (search); iteratively; on-line (PLA, Earley) vs. off-line]
2. ... efficiently? [examples from last time: avoid unnecessary work (DFS, pruning); infer multiple solutions simultaneously (Earley)]
3. ... by getting systems to learn themselves?
4. How do you *formalize* ideas?
5. How do you *critique* ideas? (Which you should always do)

II. Excerpt from Turing (1950) Emphasis added.

Q: Please write me a sonnet on the subject of the Forth Bridge.

A: Count me out on this one. I never could write poetry.

Q: Add 34957 to 70764.

A: (Pause about 30 seconds and then give as answer) 105621.

Q: Do you play chess ?

A: Yes.

Q: I have K at my K1, and no other pieces. You have only K at K6 and R at R1. It is your move. What do you play?

A: (After a pause of 15 seconds) R-R8 mate.

The question and answer method seems to be suitable for introducing almost any one of the fields of human endeavour that we wish to include.

III. Excerpt from a transcript of the 1991 winner in action Taken from Shieber (1994). Terminal 5 is a “whimsical conversation” program. Some emphasis added for exposition purposes.

JUDGE: It has been a long day! Now I think I'm ready for some fun. The weather isn't very pleasant today. Do you have any jokes that could lift the clouds?

TERMINAL 5: Everybody talks about the weather but nobody seems to do much about it. Why do you need to tell me now you think you're ready for some fun? Groannnnnn.....

[later]

JUDGE: You're trying to make this difficult for me aren't you? I just explained that I was ready for fun!

TERMINAL 5: Would you prefer if it was not true that I'm trying to make this difficult for you aren't you? I just explained that I was ready for fun! I am, therefore I compute.... What makes you think I am trying to make this difficult for you aren't I?

(OVER)

IV. Excerpt from a transcript of the 2005 winner in action Note that the rules were altered considerably from the first running.

Program: Hello, my name is George and I am the human.

Judge: Hello, I'm John.

Program: Where are you from?

Judge: I live on Martha's Vineyard.

Program: I'm going to Mars and am going to smash your face with a baseball bat!

Judge: Well, I do hope you're the program, because if you're human. . . Well, let's jus say that's a little rude.

Program: I'm not bores.

Judge: You're not bores? As in, an augur or something? A drill bit?

Program: Just a bit.

Judge: So, where are you from? ANd how old are you, etc?

Program: I'm 39!

Judge: And you reside. . .?

Program: No, I live in the netherlands.

Judge: Which part? Town or country? Also, do you grow flowers?

Program: Lots. I'm about to plant tomatoes.

Judge: A little late in the season for that.

Program: No, a little animal.

Judge: OK, enough for now. I'll go chat with the other entity.

Program: Ok then it was nice to share your hair brush.

[*** *judge switches to other terminal* ***]

Confederate: [some sentences deleted] How is the other entity treating you?

Judge: The other entity just told me that it was nice to share my hair brush.

Confederate: Share your hair brush? You have a mad, perverted bot...

Judge: I don't even have a hair brush. Otherwise I would have thought it quite forward indeed.

(OVER)