12/2/05: Lecture 40 aid — Turing Test(s)

Agenda: The Turing Test, the Chinese Room, and the first restricted Turing Test (discussion drawn from Shieber (1994), a very accessible paper).

Announcements:

- Reminder: the exam is Thursday, December 8th, 9-11:30am, Phillips 219. See the Final Exam Guide from last lecture for more information, noting that by mutual agreement we changed the note sheet limit to four (4) sheets instead of three.

- Reminder: please fill in an on-line course evaluation; the URL is http://www.engineering.cornell.edu/CourseEval/. Again, for the course staff, comments are much more informative than the numerical responses and so would be greatly appreciated.

I. 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.

II. Excerpt from a transcript of the 1991 winner in action Terminal 5 is a “whimsical conversation” program.

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? Groannnnnnn.............

[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 pre]fer if it was not true that IO re trying to make this difficult for you aren’t you? I just explained that i was ready for fun! I am, therfore I compute.... What makes you think I am trying to make this difficult for you aren’t i?

(OVER)
III. 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 just 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.