

CIS 630 assignment #1

Due: September 26 (Wednesday) at class meeting.

Read chapters 1-2.

Problem 1

There has been a long standing debate on whether or not artificial intelligence can eventually beat full scale human intelligence. People cannot prove or disapprove it. Instead we have to choose to believe or disbelieve. List at least 5 reasons to support for both the believers and disbelievers. (Your answers will be graded how convincing they are).

Problem 2

Explain in your own words what a Turing test is. What is it objective? What category of AI views does it fall in?

Problem 3

As you may know, there is a Loebner Prize of \$100,000 and a gold medal for the winner of the Turing test each year. See information in a web site:

www.loebner.net/Prizef/loebner-prize.html

There are some articles in this page. You can also search the web by keywords “Turing test” to see interesting developments.

Then based on your readings of some articles, comment critically on whether the Turing test is appropriate for deciding whether or not non-human machines can “think”, and what are the problems with the contest?