Chinese Room 中文 屋

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Steve's email:

It least one thing most of us osh at least one thing meeting on...

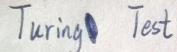
Great job, friends at Osaka University!



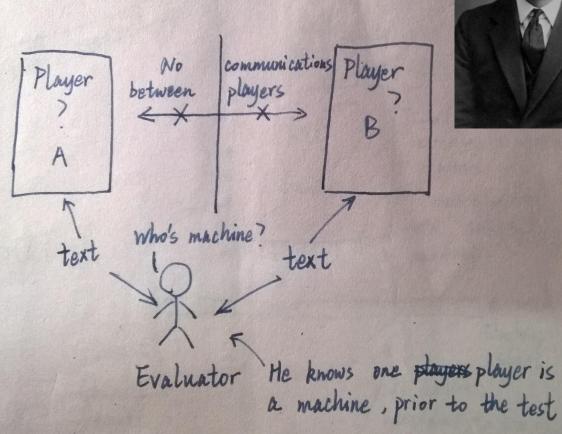
Hard-to-distinguish appearance is easy to achieve, so the challenge is in imitating the human mind.

If a human cannot distinguish a human-made-machine from a real human, then that machine is an Al

How to test it?

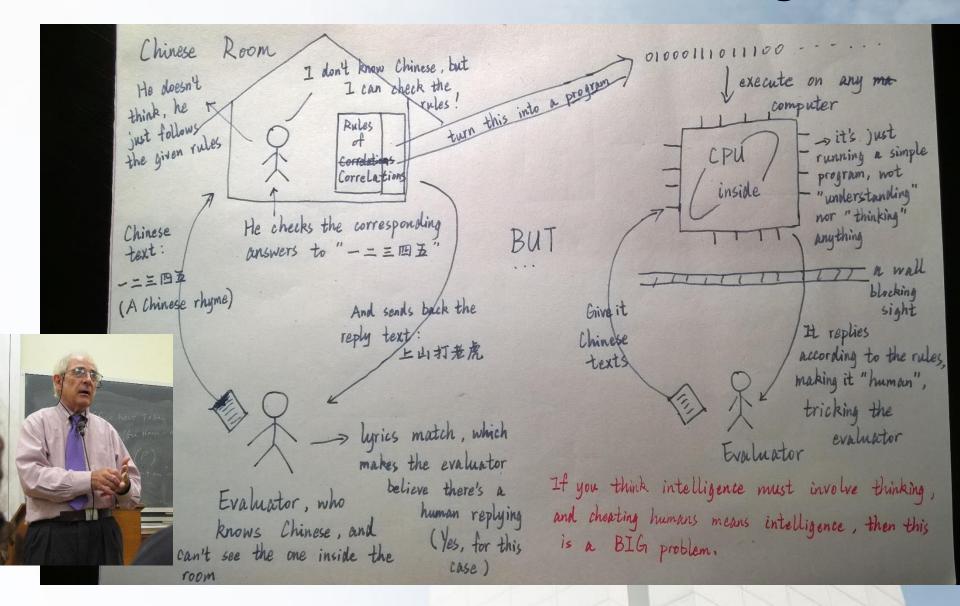


Humans certainly have intelligence, so instead of trying to clarify what intelligence really is, let's just check if a machine can behave just as a human. If the machine can cheat the evaluator to believing it it's a human, then we conclude that this machine has artificial intelligence.



The Turing Test: you(machine) past my test, you're smart(intelligent)

But a man named Searle does not agree...



You can pass the test, and still be dumb.

Just merely simulating seems enough for a machine to "be like a human"!

- The Chinese Room experiment is based on the Turing Test's method, but ends up finding out that the method is flawed.
 Great leap for science.
- This has also promoted discussions and research in several fields such as philosophy and of course, computer science. Another good thing.
- However it does have limitations and weaknesses...

The appropriately programmed computer with the right inputs and outputs would thereby have a mind in exactly the same sense human beings have minds. --Searle

Houston, we have ... lots of problems

- Machines can "cheat" in the test doesn't mean it can't pass the test without cheating. May be there is a way to build a true "strong AI".
- What if intelligence itself is computable? Are our own minds a natural program of somehow?
- Can the rules of correlation theoretically exist?
- What about quantum/biologic/... computers?

In the famous sci-fi Xbox game Halo, "smart" Als such as Cortana are created on the neural networks of the brains of super-smart people. In such cases, Als might be able to have minds exactly like humans. Sounds promising.



Acknowledgements

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- Diagrams were hand-drawn by myself, because I got frustrated failing to find satisfying ones online. Hope you liked them and feel free to use them whenever you want ©
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