

AI Intro

1/08/2024

1. (10 points) To what extent are the following computer systems instances of artificial intelligence:

- Supermarket bar code scanners.
- Web search engines.
- Voice-activated telephone menus.
- Spelling and grammar correction features in word processing programs.
- Internet routing algorithms that respond dynamically to the state of the network.

2. (5 points) There are well-known classes of problems that are intractably difficult for computers, and other classes that are provably undecidable. Does this mean that AI is impossible?
3. (5 points) Examine one work of science-fiction in which AI systems threaten to (or actually do) “take control.” In the movie, does the takeover stem from “spooky emergent consciousness” or from a poorly defined objective? If the latter, what was it?

Question:	1	2	3	Total
Points:	10	5	5	20
Score:				