**Can Computers Plan?**

Jaden Joseph, Amadeus Campbell, Anthony Pelle, Tyrese Nord, Kayla Latour

**1.**

**a)** The author makes a distinction between how computers handle information and knowledge by stating what computer systems are currently good at doing and what they cannot do. What do computers do well, and explain if they use information or knowledge or both, and what computers do not do well at and why that might be.

**What** **computers(AI) do well at is processing data and voice recognition. If given enough digital samples of a person’s voice, a neural network can find the common patterns in the person’s voice and determine if future recordings belong to that person. In voice or face recognition the** **computers(AI) use information and knowledge of the person. What computers do not do well at is thinking in the abstract, applying common sense, or transferring knowledge from one area to another. Why this might be because AI is even able to mimic natural human behavior, using inflections and intonations as any human speaker would.**

**b)** After reading this article, and based on everything you have learned thus far, what kinds of intelligence do computers have that humans do not, and what kinds of intelligence do humans have that computers do not?

**The kind of intelligence computers (AI) have that humans don’t are Augmented intelligence when it comes to helping humans become faster and smarter at the tasks they’re performing. The kind of intelligence humans have that computers (AI) don’t have is emotional intelligence. Humans can feel, imagine, dream. They can be selfless or greedy. They can love and hate, they can lie, they forget, they confuse facts, AI can't.**

**2.**

a) How might the Conway test be used to test intelligence in Humans and computers?

**The Conway Test Can be Used to test how creative humans can be in managing chaos and being a master of it how to operate code to create a continuous flow of data. This Aswell Can be a way to analyze Computers and there way of operation and how to react to certain types of data.**

b) Who do you think might perform better on the Computers or Humans based on what you have learned about the types of intelligence they have? Make sure to justify your answers.

**I think that Humans Would perform better as they aren't set to a specific range of data We as humans have knowledge, but computers are fully based on data we have the advantage of abstract reasoning**

3.

a) What happened when advanced computers were tested with the Conway test?

**The advanced computer did not find the optimal solution, and the performance of the network decreased even further as the number of steps increased.**

b) How were computer systems improved to be more "intelligent", and what were the costs associated with this grain in intelligence?

**By increasing the complexity. An increase in the cost of training and running the deep**  
**learning model.**

c) What are the implications of the Conway test for predicting intelligence in computers? **It posits that if a computer can independently create a program that is indistinguishable from a human-written program, it can be considered intelligent.**

d) How might the results of the Conway test be used to improve computers ability to "think"  
**The results of the Conway Test can serve as a valuable benchmark to guide the development of computers capable of more sophisticated "thinking" or problem-solving abilities**