1. (a) intelligence = Intelligence, which can be defined as the ability to solve complex problems or make decisions whose consequences benefit the actor, has evolved as organisms to adapt to different environments for survival and reproduction. rice field.

(b) artificial intelligence = Artificial intelligence (AI) is the ability of computers or computer-controlled robots to perform tasks normally performed by humans because they require human intelligence and judgment.

(c) agent = AI intelligent agents are autonomous entities that operate on an environment using sensors and actuators to achieve their goals. Furthermore, intelligent agents can learn from the environment to achieve these goals.

(d) rationality = Acting rationally means acting in a way that is based on your beliefs and achieves your goals. An agent is simply something that perceives and acts. A logical approach to AI focuses on the correct conclusions.

(e) logical reasoning = Logical reasoning is a form of reasoning that uses rigorously the relationships between premises to draw conclusions implied by the premises and relationships. Various forms of logical reasoning are accepted in the philosophies of science and artificial intelligence.

1. In The Turing paper on AI, the authors consider various objections and dismiss them with rational explanations. Theological counterarguments and fears that computers will be smarter than humans don't really make sense, but they deal so rigidly with hypothetical cause and effect that I find the individual In general, I believe Mrs. Lovelace's counterargument is the most valid. AI is strictly constrained by what is written in its program. Some might argue that AI can learn and adapt, but AI cannot generate its own thought behavior.
2. Yes, the reflective behavior is reasonable. when you touch the hot side of the iron, you take it off without thinking. These responses come from the central nervous system and "reflexes are involuntary, nearly instantaneous movements in response to a stimulus." Reasonable. The reflex actions are done without thinking, so they are simply not smart.