

COMPUTABLE

Meaning: Computable refers to a problem or function that can be solved or calculated by an algorithm or a computational model, such as a Turing machine.

1. The algorithm is designed to solve only computable problems efficiently.
2. In theoretical computer science, a function is considered computable if it can be calculated by a Turing machine.
3. Researchers are exploring new methods to determine whether certain mathematical functions are computable.
4. The complexity of the task raised questions about which parts of the problem were actually computable.
5. Understanding the limits of computable functions is essential for advancements in artificial intelligence.

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