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Alan Turing

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Computability

The Church-Turing thesis states that "*everything algorithmically computable is computable by a Turing machine.*"

Cryptanalysis

Turing was instrumental in the British code breaking effort that cracked the German Enigma code during WWII. The impact of this effort was so great that it is said to have changed the outcome of WWII.

Turing Test and AI

Turing was a pioneer of the problem of artificial intelligence, and posed the Turing Test.