

1. Record Nr.	UNINA9910149535403321
Autore	Link David
Titolo	Archaeology of Algorithmic Artefacts [[electronic resource] /] / David Link
Pubbl/distr/stampa	Minneapolis, Minnesota : , : Univocal, , 2016 ©2016
ISBN	1-945414-04-9
Edizione	[1st edition.]
Descrizione fisica	1 online resource (215 pages) : illustrations, tables, photographs
Disciplina	511.3
Soggetti	Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	while(true) : on the fluidity of signs in Hegel, Godel, and Turing -- Traces of the mouth : Andrei Andreyevich Markov's mathematisation of writing -- There must be an angel : on the beginnings of the arithmetics of rays -- Enigma rebus : prolegomena to an archaeology of algorithmic artefacts -- Resurrecting the Bomba Kryptologiczna : a reconstruction of the Polish crypto device -- Scrambling T-R-U-T-H : rotating letters as a form of thought -- Programming ENTER : Christopher Strachey's draughts programme -- Programming degree zero : a genealogy of Turing's machines and algorithms.
Sommario/riassunto	"As historical processes increasingly become steeped in technology, it becomes more necessary for a discipline to emerge that is capable of comprehending these materialities to better understand the fields they inundate such as science, art, and warfare. This effort is further compromised by the inherent complexity and complete arbitrariness of technical languages especially when they are algorithmical along with the rapid pace in which they become obsolete, unintelligible, or simply forgotten. The Turing Machine plays a central role in the Archaeology of Algorithmic Artefacts, wherein the gradual developments of the individual components encompassed by this complex technology are placed within the context of engineering sciences and the history of inventions. This genealogy also traces the origin of the computer in mathematics, meta-mathematics, combinatorics, cryptology, philosophy, and physics. The investigations reveal that the history of

apparatuses that process signs is in no way limited to the second half of the twentieth century; rather, it is possible they existed at all times and in all cultures."--
