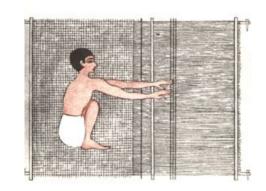
Weaving

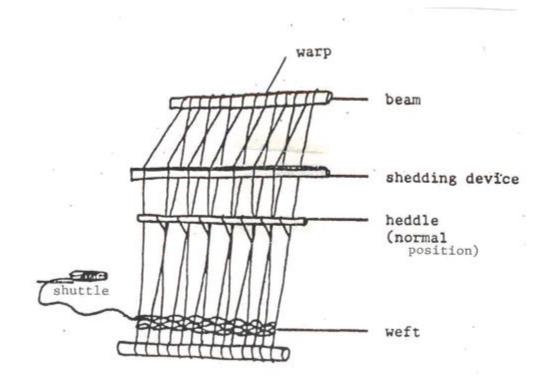
Brief history of Weaving

- ~7000 BCE, earliest woven fabric found in Anatolia (Turkey)
- Also appears in China,
 Peru and Egypt





Weaving Terminology



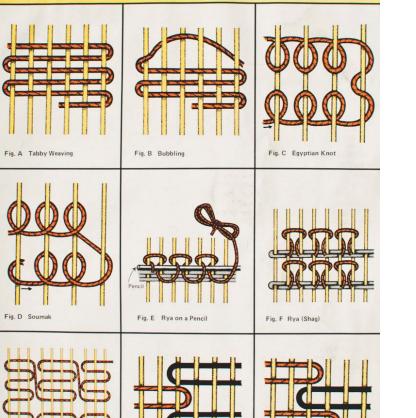


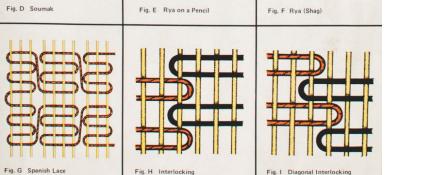


carpet loom

backstrap weaving

WEAVING TECHNIQUES

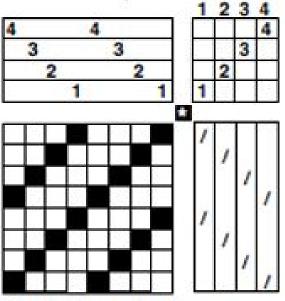




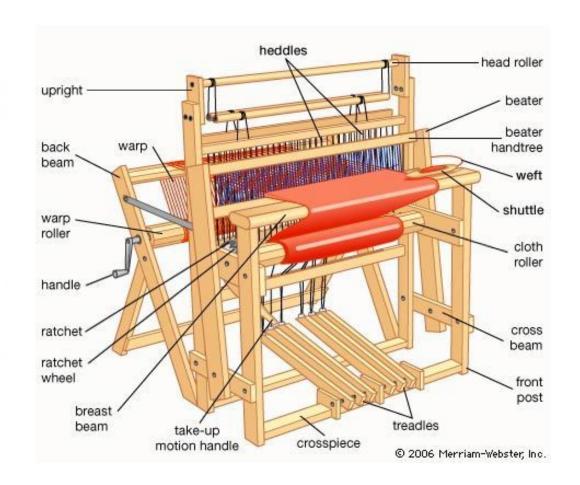




1. A basic draft



= the "you are here" square





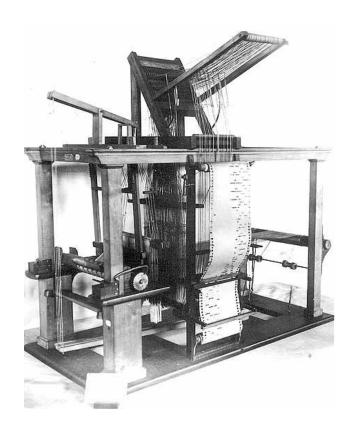


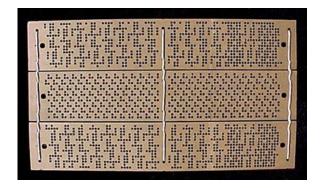






Jacquard Loom - 1803





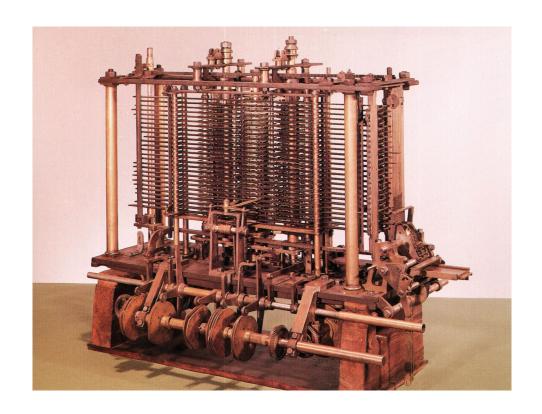




Holes in the cards control which threads are raised for weaving the pattern

Weaving and Computing

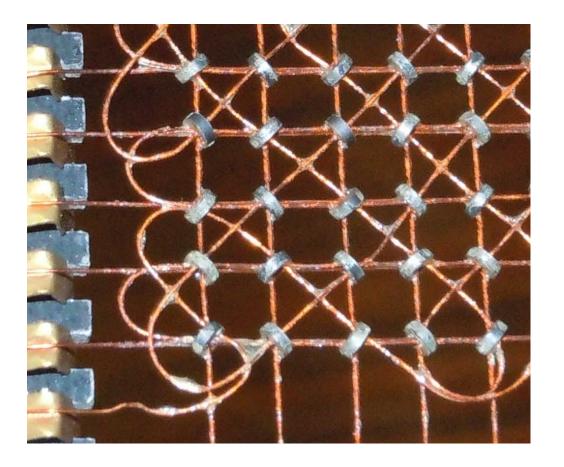
- Using punchcards to store and control sequence of operations
- 1837: Charles Babbage and Ada Lovelace,
 Analytical Engine,
 first general purpose machine

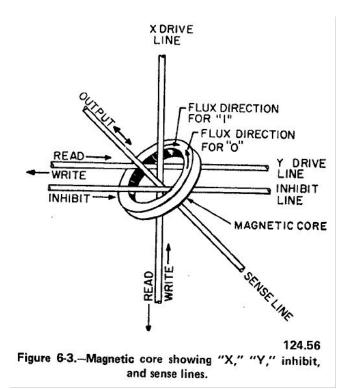




Ingrid Bachmann (1995): Fault
Lines







Magnetic Memory Core - An Wang (1955)

Woven Pressure Sensor

