

Infinite tape, initialized
to blanks.

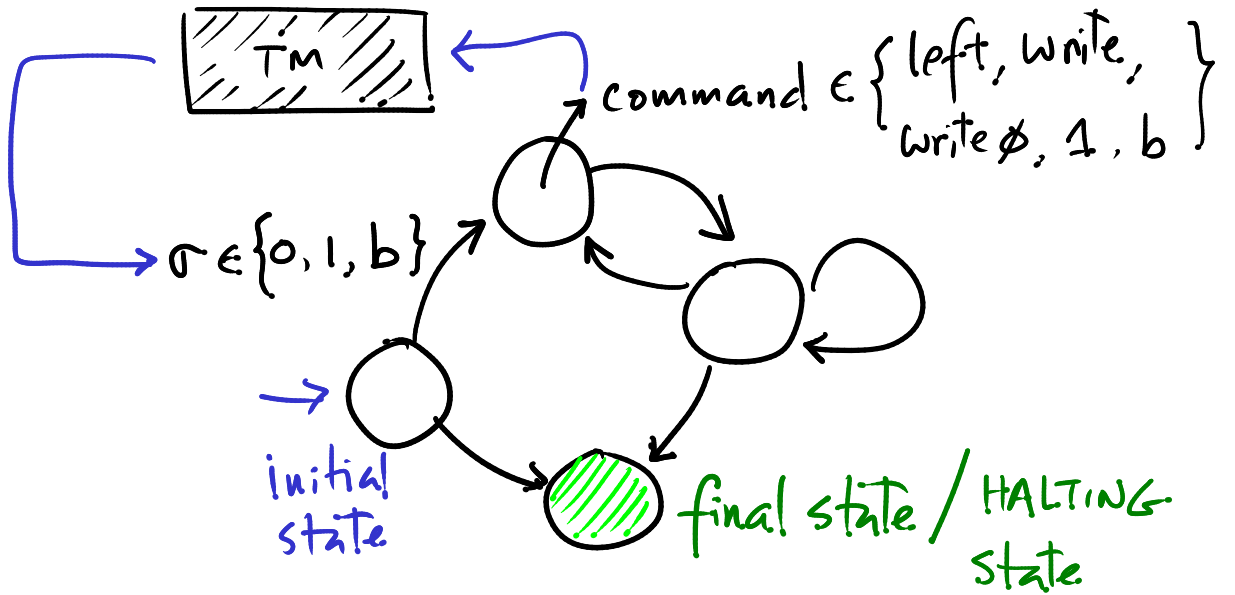
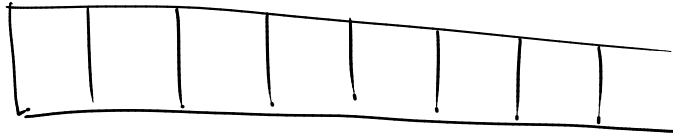
b	b	0	1	1	0	1	b	b	...
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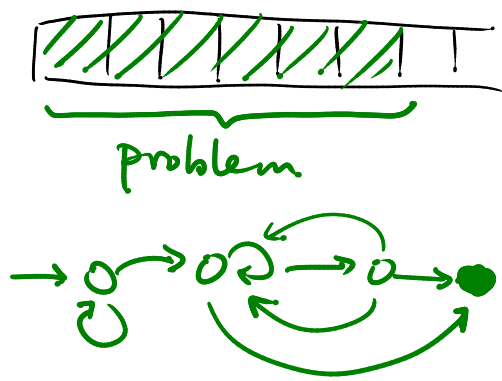
A sensor that can read & write bits
to the cell it's pointing to.

The sensor can change position to point to
any cell on the tape.

Commands to the TM:
- LEFT / RIGHT / WRITE (\emptyset / 1 / B)

Output from the TM: \emptyset , 1, B





STEPS to make use a TM

(1) Encode a problem into a string of $\{0, 1\}$'s.

(2) Write the encoded problem on the TAPE.

(3) Configure the controlling automaton

(4) Run TM until it reaches the halting state.

(5) The TAPE should contain the solution of the problem in binary.