



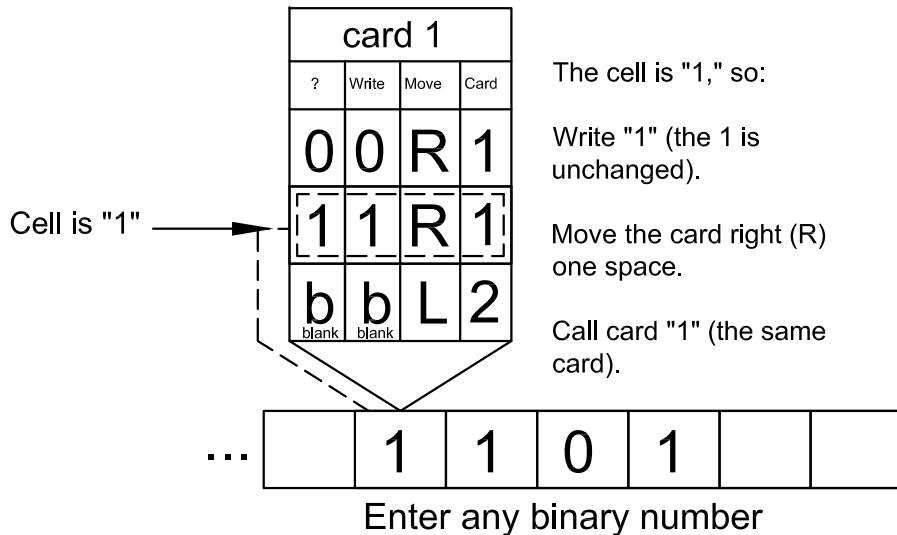
<https://www.youtube.com/watch?v=dNRDvLACg5Q>

# Turing Machine - Binary Increment

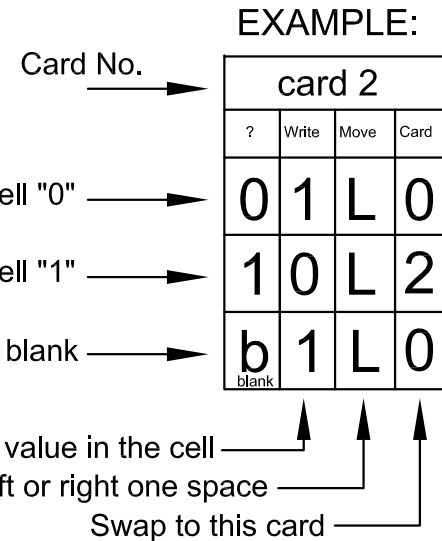
Cut out the cards on the dotted lines.

- 1) Enter a binary number in the boxes, leave blanks left and right.
- 2) Put Card 1 on the leftmost digit.
- 3) Follow instruction on the card.

Start like this...



... This tape could go on as long as you like. Tape strips together if you want.



▽

The card points to one cell at a time.

card 0
halt

card 1			
?	Write	Move	Card
0	0	R	1
1	1	R	1
b <small>blank</small>	b <small>blank</small>	L	2

card 2			
?	Write	Move	Card
0	1	L	0
1	0	L	2
b <small>blank</small>	1	L	0

1 1 1 1 1 1 1 1 1

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Enter any binary number