

# Turing Machine - Binary Increment

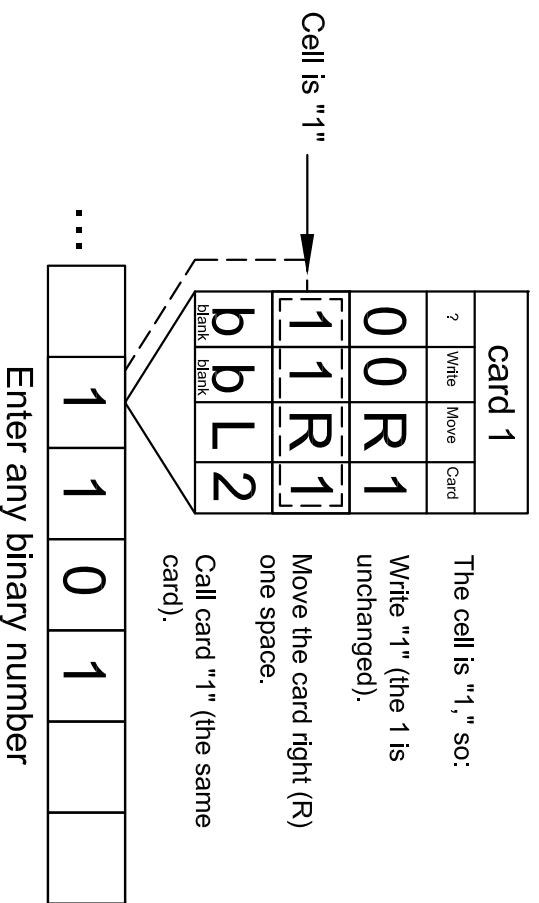


<https://www.youtube.com/watch?v=dNRDYLACg5Q>

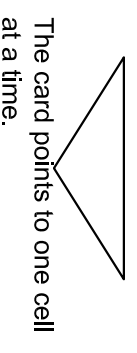
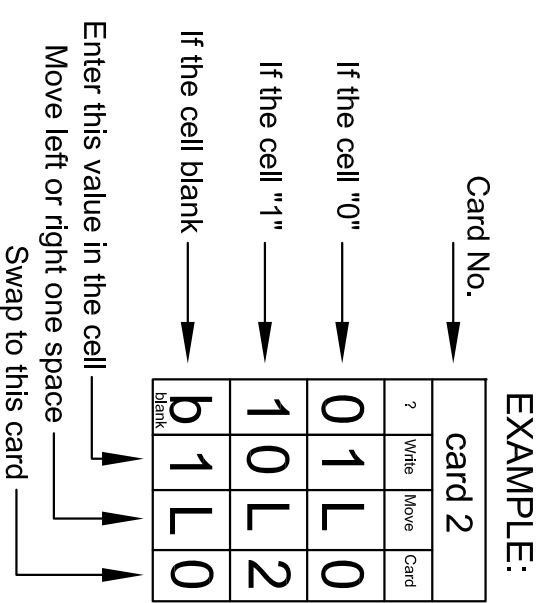
Cut out the cards on the dotted lines.

- 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.



card 0	
halt	

card 1			
?	Write	Move	Card
0	0	R	1
1	1	R	1
blank	b	L	2

card 2			
?	Write	Move	Card
0	1	L	0
1	0	L	2
blank	b	L	0

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Enter any binary number

Use pencil, the program will change the numbers.