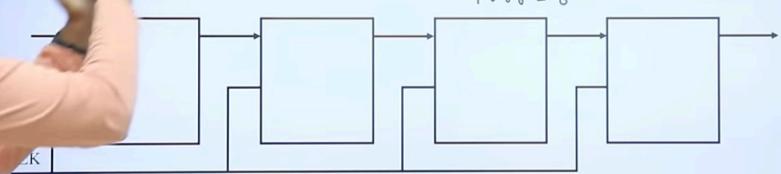




- Shift registers are used to implement arithmetic operations.
  e.g. Left shift, Right shift

ic flip flop used in the register is D ff. 2+2+2=











Mode	Clocks needed for n-bit shift register		
	Loading	Reading	Total
SISO	n	n-1	2n-1
SIPO	n	0	n
PISO	1	n-1	n
PIPO	1	0	1

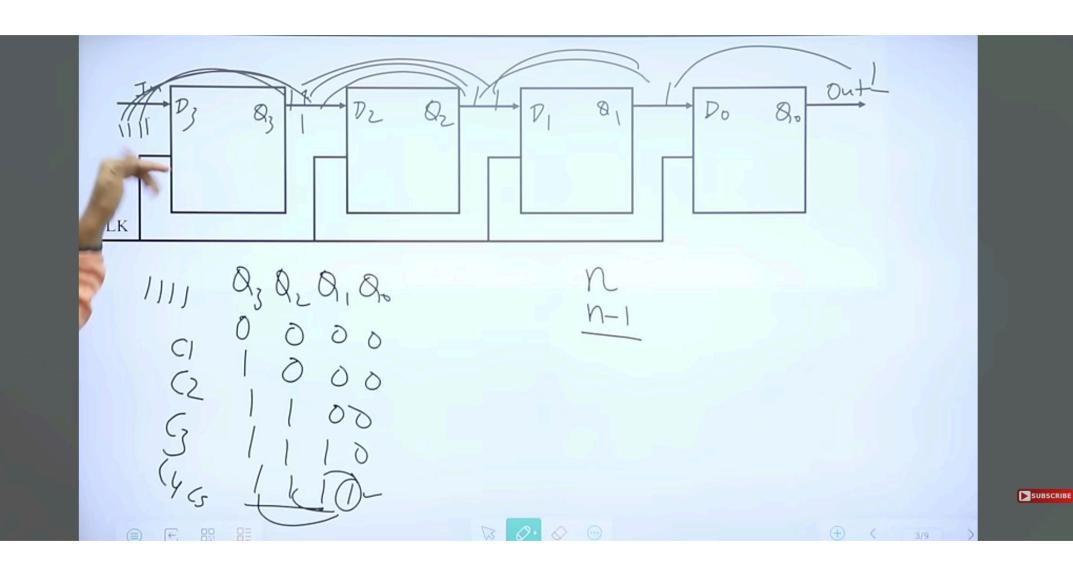


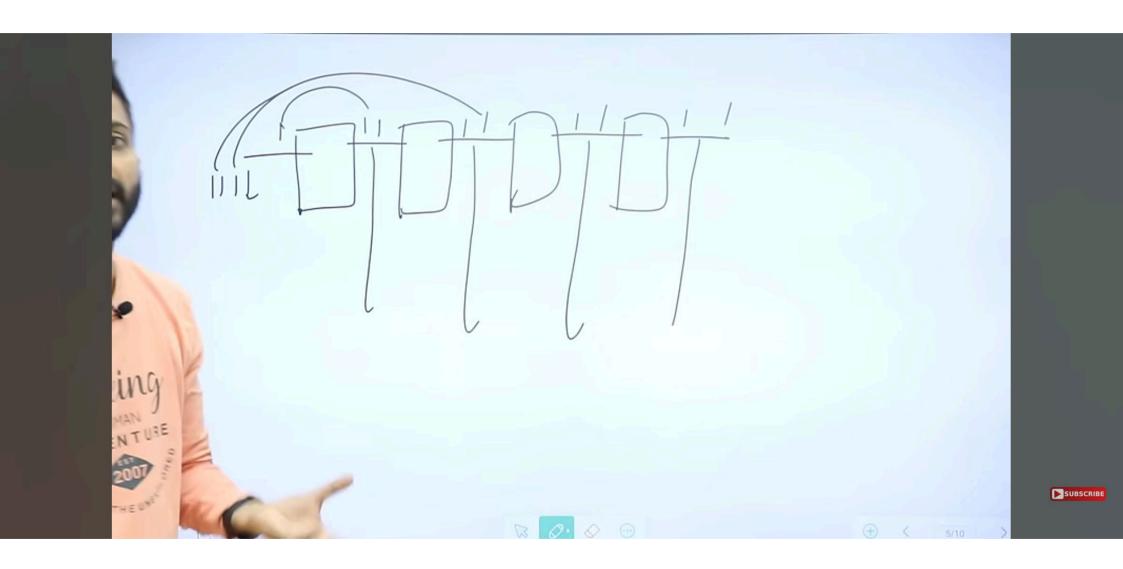


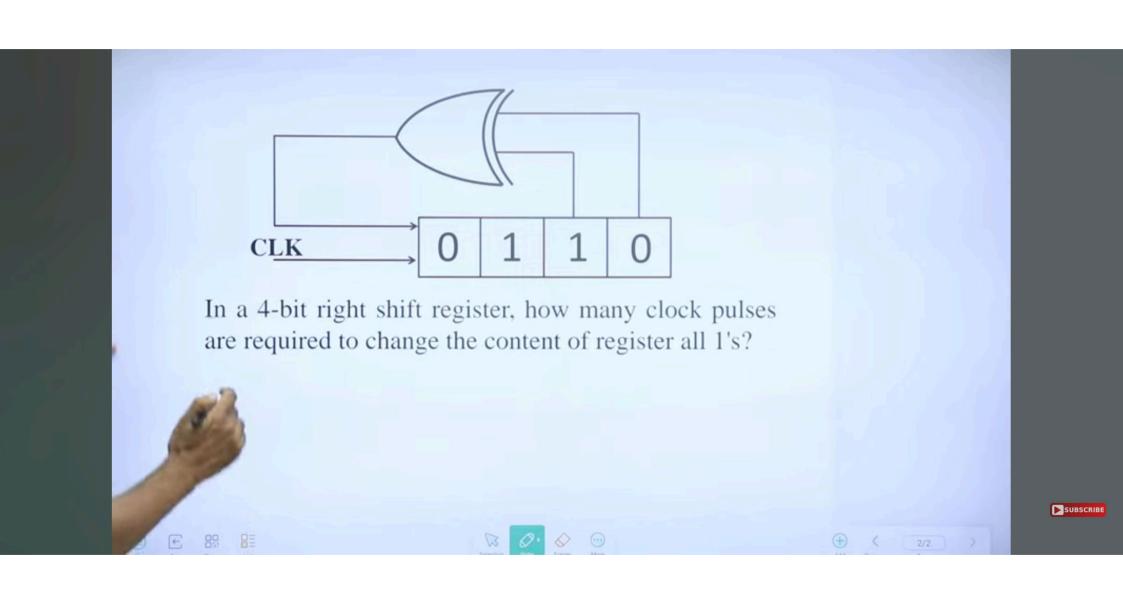


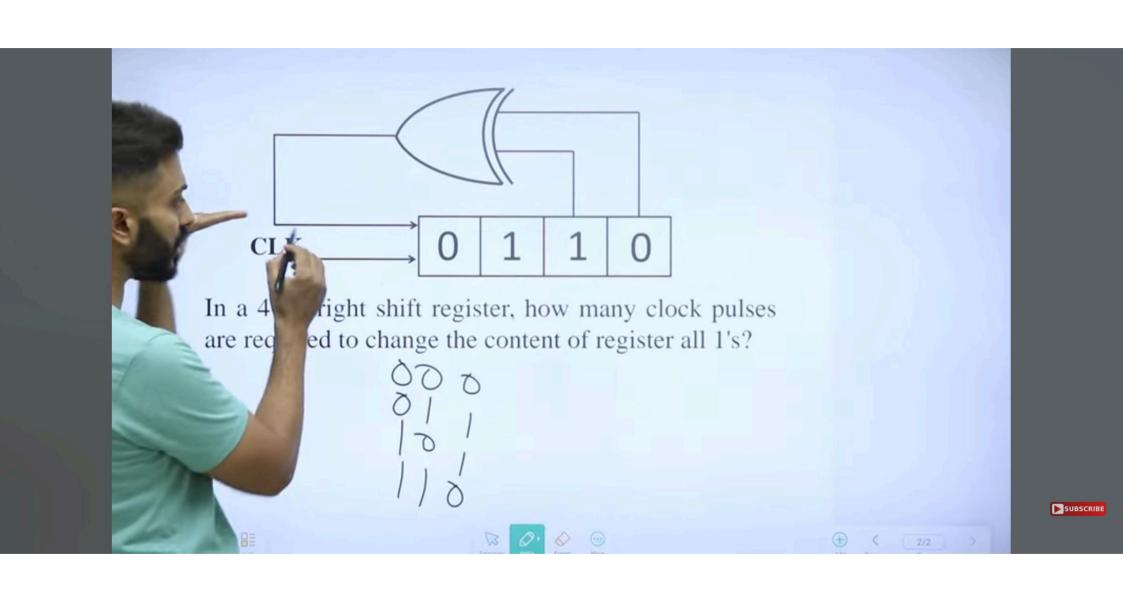


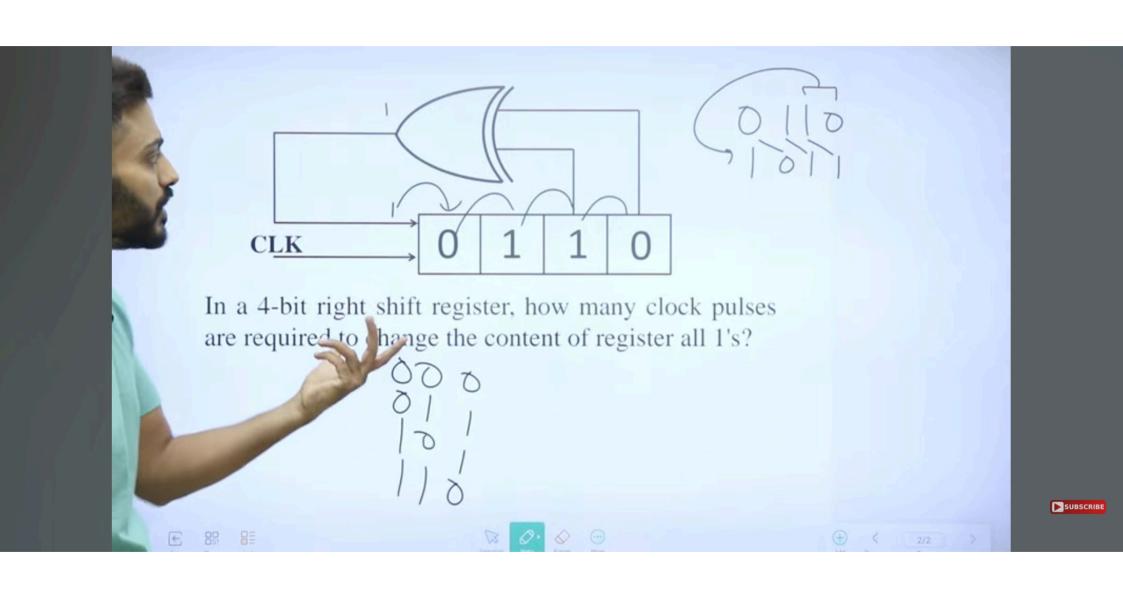


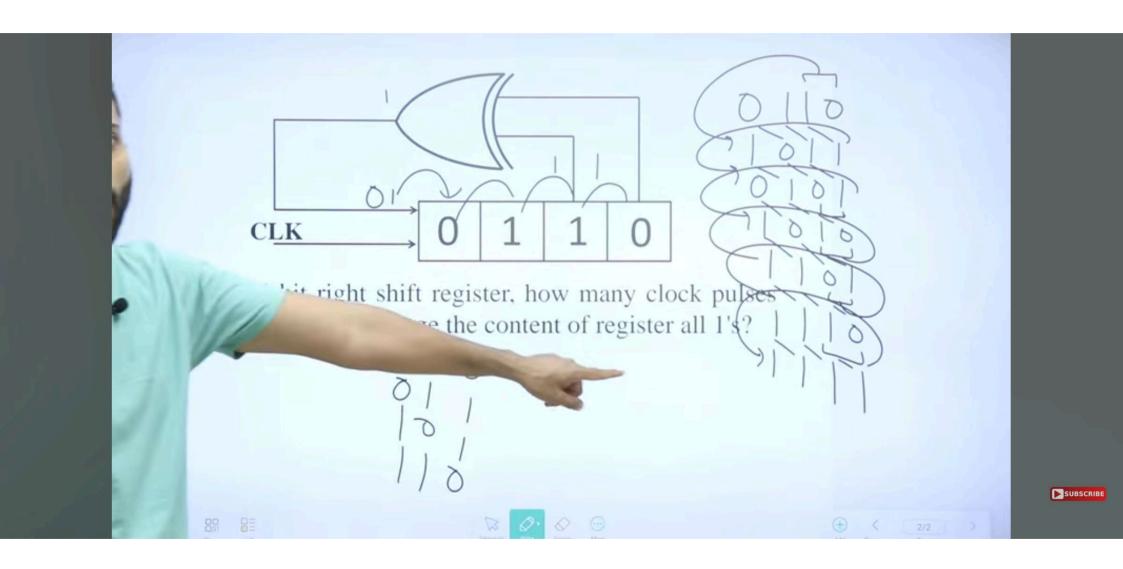




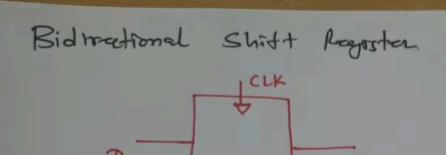








## Bidirectional shift register



Mode M

m=1, Shift Right m, o, Shift Left.



