## CS & IT ENGINEERING

## Theory of Computation

Turing Machine : Recursively Enumerable

Turing Machine (Part 1)

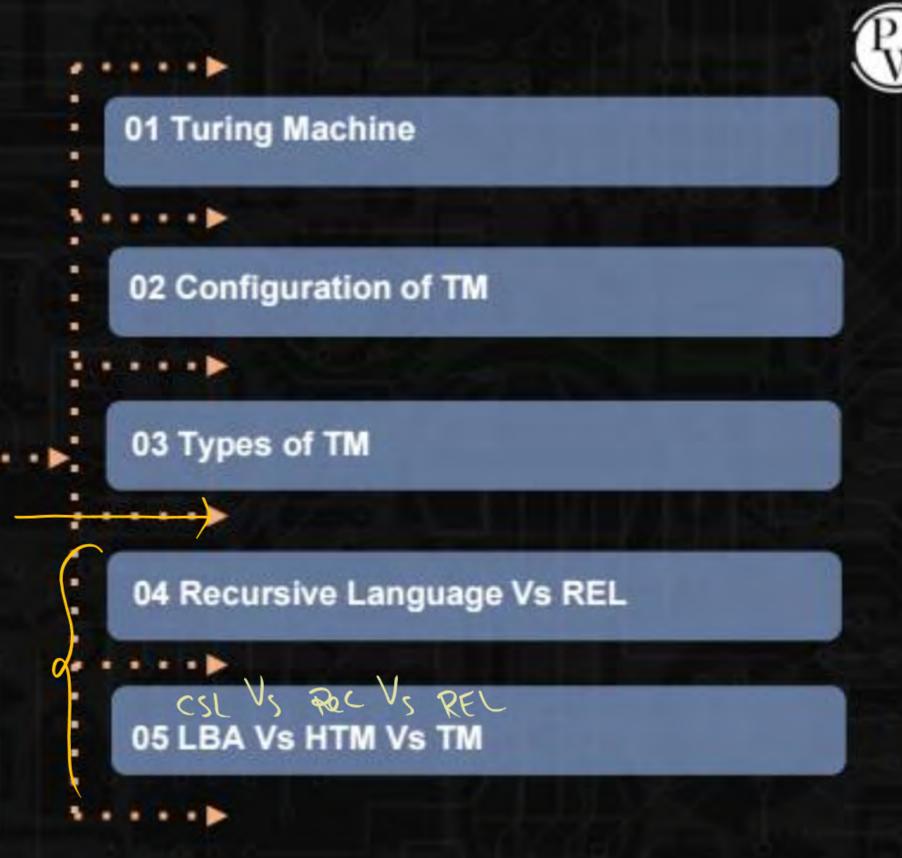
OP-

Lecture No. 1



By- DEVA Sir







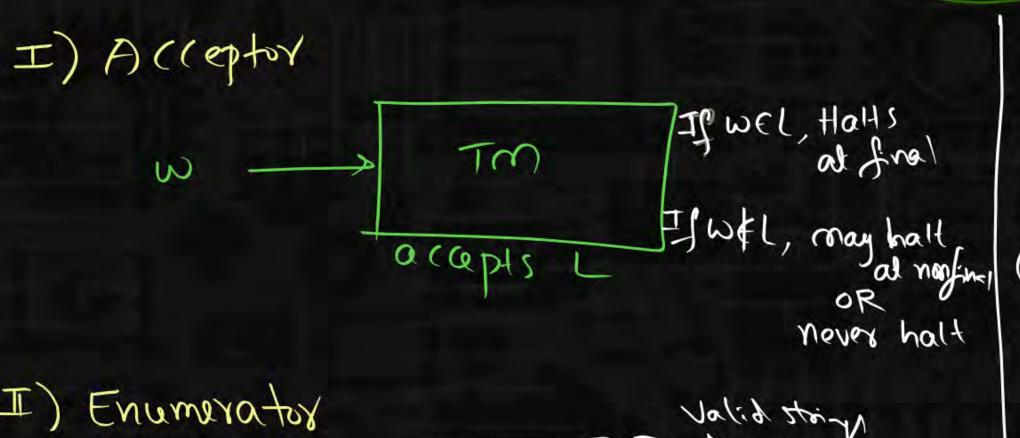
FA

Ca, Z, O, Sp, F, B, T Blank Symbol

## Turing Machine



Los It represent a Recursively Enumerable Language

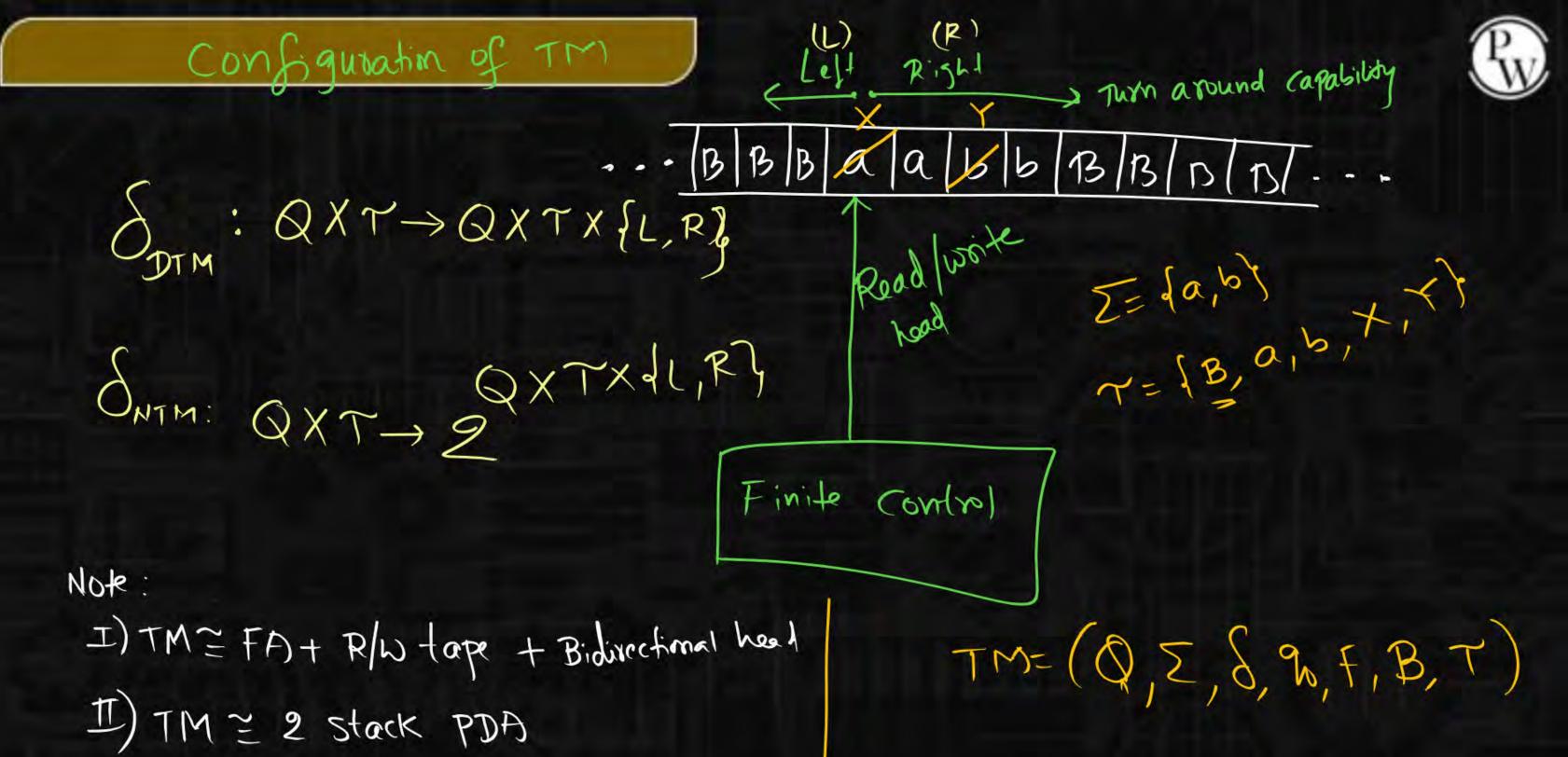


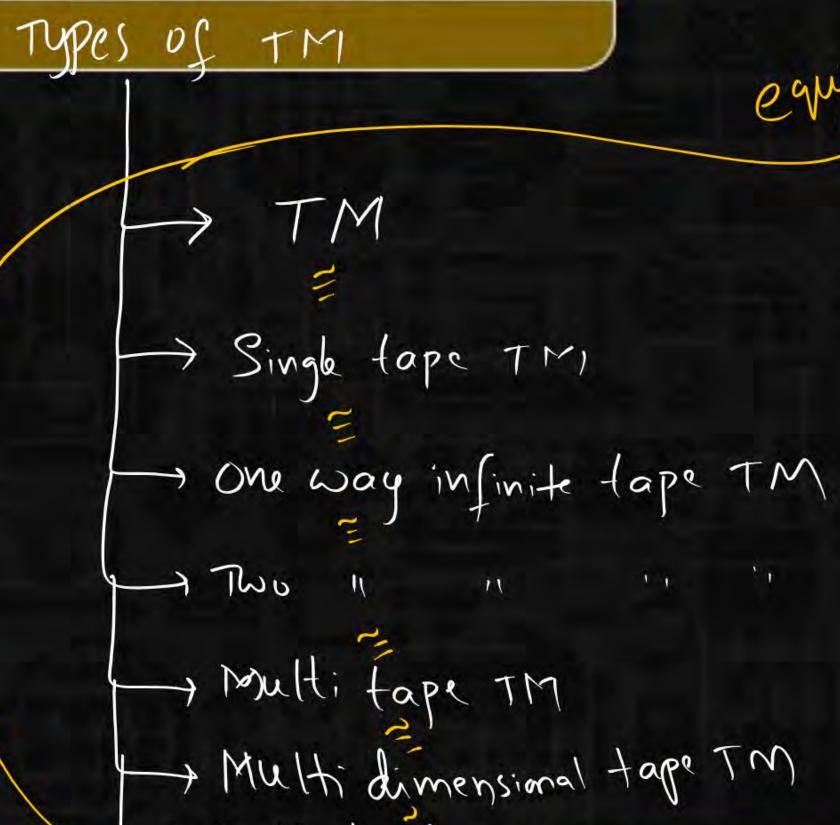
TM

enumyate

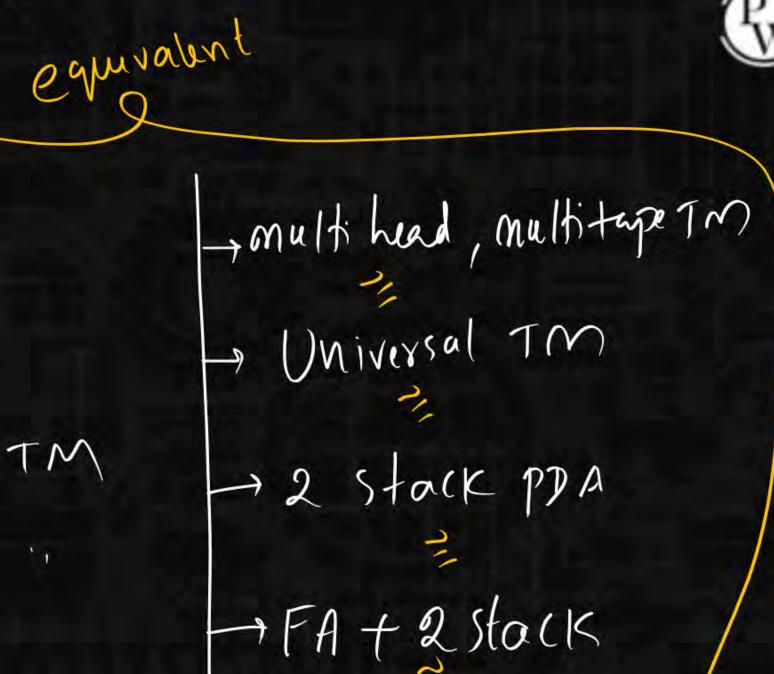
W, Wz, Wz --

(REL)
(Enumerable Set)
(Turing Acceptable Set)
(Turing Recognitable Set)





Li Multi head TM



THE 25 Jacks

PDA WILL 2 STACKS

PDA WILL 100 STACKS

PDA WILL

2 Stack PDA 3 Stack PDA 3 Stack PDA 4 Stack PDA Summary What is TM?



