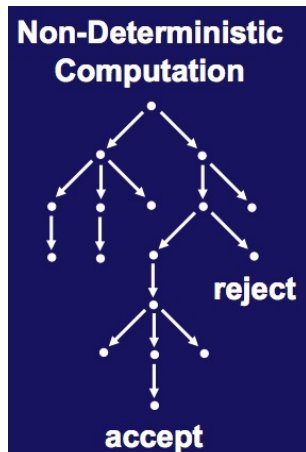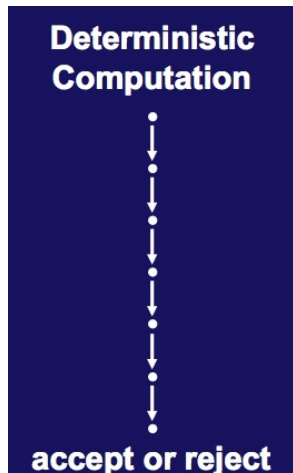# NONDETERMINISTIC TURING MACHINES

- A computation of a Nondeterministic TM is a tree, where each branch of the tree is looks like a computation of an ordinary TM.

NONDETERMINISTIC TURING MACHINES

- If a single branch reaches the accepting state, the Nondeterministic TM accepts, even if other branches reach the rejecting state.
- What is the power of Nondeterministic TMs?
    - Is there a language that a Nondeterministic TM can accept but no deterministic TM can accept?