

# Assignment No. 1

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1. FINITE AUTOMATA :- used to convert input program into logical analyses. Properties -

diagram into KLL mishra.  
can be drawn.

(1) These are recognizers. They simply say "yes" or "no" about each possible string.

Non-deterministic finite Automata (NFA)

Deterministic finite automata (DFA)

\* have no restrictions on labels of their edges.

\* Each symbol of its input alphabet have only one edge with that symbol.

2. Convert Regular languages into finite automata :-

NFA has a choice of moving on an input symbol or even move  $\epsilon$  or a real input symbol but it's not the actual case with a "DFA" for that case we would be required to convert NFA to DFA.