DET A -> Deterministic finite automata

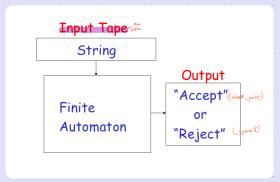
State + Chamin soi de -

transaction + Chamin + 121 US -

entiles du la transition come state USI

To accept a string:

all the import string is scanned users and the last state is accepting



ادًا السَّارِت ستيت هي نفسها

الأكسيت ستيت ف

accepted Language II craf

to reject a string:

and the last state is non-accepting

Formal Definition M= (Q, E, 8, 9, F)

Q: Set of States

S: transition function (state; input) -> new state
one-to-one in DFA

initial state

F: set of accepting states

String de juli one statede ginn hot a lieu statede ginn hot a lieu statede ginn hot a lieu statede ginn hot ale ginn fi

 $\mathcal{S}(9,5)=9$

string لبق لین اشد فارحه معم کی تف

Language by M

accepted

rejected

 $L(m) = \{ w \in Z^* : S^*(q_0, w) \in F \}$

L(M) = { w \(\xi \xi' : \S'(\q_1, w) \xi \xi \)

More DFA Examples

