

Lis
non-regular
suppose regular
formal Def:

$$
M=\left(Q, \Sigma, \delta, q_{0}, F\right)
$$



$$
Q=\{0,1,2\}
$$

$$
\Sigma=\{a, b\}
$$

$$
q_{0}=0
$$

$$
F=0
$$

DFA: $U, \cap,-$
NFA: $\cup, 0,-, *$

$$
a^{+}=a a^{*}
$$

