









































```
Formal description of NFA operation

NFA  M = (Q, \Sigma, \delta, q_0, F)

accepts a string w = w_1 w_2 w_3 \dots w_n \in \Sigma^*

it we can be written (by inserting a's) as:

 y = y_1 y_2 y_3 \dots y_m \in (\Sigma \cup \{ E \})^*

and a sequence r_0, r_1, \dots, r_m of states for which

-r_0 = q_0

-r_1 \in \delta(r_1, y_{1-1}) for i = 0, 1, 2, \dots, m^-1

-r_m \in E
```

