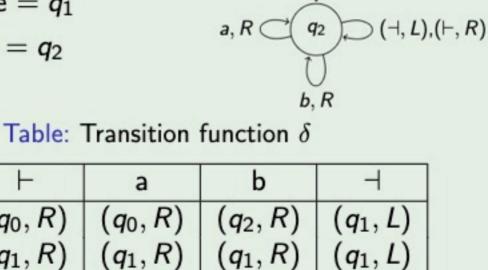
2DFA for a*

(Q,
$$\Sigma$$
, \vdash , \dashv , δ , s, t, r) where,

- $Q = \{q_0, q_1, q_2\}$
- \bullet $\Sigma = \{a, b\}$
- $s = \text{start state} = q_0$
- t = accept state = q₁
- $r = \text{reject state} = q_2$



 $(a,R),(\vdash,R)$

b, R

start

 \dashv , L

a, R

 q_1

 $(\dashv, L), (\vdash, R)$

$\delta(,)$	F	а	b	4
q 0	(q_0,R)	(q_0, R)	(q_2,R)	(q_1, L)
q_1	(q_1,R)	(q_1,R)	(q_1,R)	(q_1,L)
q 2	(q_2,R)		(q_2,R)	(q_2, L)